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SIRE SUMMARY LIST

May 1967

AYRSHIRE, GUERNSEY, HOLSTEIN, JERSEY, BROWN SWISS,  
MILKING SHORTHORN, AND RED DANE SIREs

Agricultural Research Service  
U. S. Department of Agriculture

The sire evaluations summarized in this publication are appraisals based on information about the production performance of progeny obtained by USDA's Agricultural Research Service from Dairy Herd Improvement Associations (DHIA) that are affiliated with the National Cooperative Dairy Herd Improvement Program. This program is described in detail in U.S. Department of Agriculture Handbook No. 278, "National Cooperative Dairy Herd Improvement Program Handbook," copies of which can be obtained from the Office of Information, U.S. Department of Agriculture, Washington, D. C. 20250.

The DHIA Sire Summary List is revised and updated as improved techniques are developed to furnish its members with more accurate evaluations of sires of DHIA cows.

## DHIA SIRE SUMMARY LIST MAY 1967

Ayrshire, Guernsey, Holstein, Jersey, Brown Swiss,  
Milking Shorthorn, and Red Dane Sires

### INTRODUCTION

This DHIA Sire Summary List contains information for 39 Ayrshire, 250 Guernsey, 825 Holstein, 227 Jersey, 74 Brown Swiss, 24 Milking Shorthorn, and 4 Red Dane sires and their daughters. Summaries were compiled from data received by the Animal Husbandry Research Division, ARS, to May 1, 1967.

A sire summary record is compiled for a sire when enough of his daughters have lactation data and herdmate records reported. Sires in the following categories are summarized in this publication. (1) Those for whom sufficient information was available for the first time, (2) those reported to be active in artificial insemination on January 1, 1966 or later, (3) those for whom enough additional information was available to warrant a resummmary, and (4) those for whom special requests for summaries were received.

All production records used in DHIA sire summaries consist of lactation records of 305 days or less that have been standardized to a mature-equivalent (M.E.), twice-a-day milking basis. The age factors used in standardizing these records were stratified by geographical region of the United States and by season. (See Dairy Herd Improvement Letter, February 1967.) Separate adjustment factors were used for milk and milk fat. When more than one lactation is available for a cow, all records for both the daughter and her herdmates are averaged and used to represent her performance.

Incomplete records that are reported as having been terminated because the cow aborted, was culled for low production, or was sold for nondairy purposes were projected to a 305-day basis by factors that allow for breed, age, milk, and



milk fat and were used in compiling sire summaries. (See Dairy Herd Improvement Letter, August 1965.) Records that were deleted and not used in compiling summaries were (1) those coded as complete but less than 180 days in length, (2) those coded as incomplete but less than 15 days in length, (3) those estimated for two or more consecutive test periods, and (4) those initiated by abortion. However, incomplete records may not be included for cows that calved before 1959.

Currently reported lactation records were accepted into master files and used in the sire summaries only if the interval from calving date to production run date (May 1, 1967) exceeded 364 days. A lapse-time interval has been tested and shown to be effective in reducing the high incidence of incomplete records in early sire summaries. Rejected records were set aside and will be re-entered in the next appropriate sire summary.

#### COMPILATION OF SIRE SUMMARY

The herdmate, or contemporary, comparison is useful because it removes from the evaluation of a sire's breeding value complications arising from herd, year, and season-of-calving variations in production. Herd-year-seasons are based on a 5-month moving average. The appropriate herdmate average for the daughter of the sire is obtained by averaging all records of daughters of other sires calving in the herd in the same month as the daughters, in the previous 2 months, and in the succeeding 2 months (i.e., the same herd-year-season). For example, the herdmate average for a sire's daughter that calved in March is obtained by averaging the production of all cows, except her paternal sisters, that calved in that herd from January through May. All comparisons included in these summaries are on a within-breed basis.

Because the usefulness of the herdmate average is dependent in part on the number of herdmates available, the herdmates' production is adjusted to place the herdmate data of the daughters on a more comparable basis. For each individual lactation of a sire's daughter, the herdmates' average

is adjusted as follows:

$$AHMA = \text{Reg -brd-yr-sea. avg.} + \frac{NHM}{NHM + 1}(\text{HM avg. minus Reg -brd-yr-sea. avg.})$$

where AHMA = Adjusted herdmate average

Reg -brd-yr-sea. avg. = Regional breed-year-season average

NHM = Number of herdmates

HM = Herdmate average

The regional breed-year-season averages are calculated from the 2X,305-day,M.E. DHIA records of cows calving from January 1, 1950, to May 1, 1965. Three regional groupings are used for Ayrshire and Brown Swiss, four for Guernsey and Jersey, and 14 for Holstein. The averages for Milking Shorthorn, Red Dane, and Red Poll are based on all cows calving in the United States for the year-season in question. The primary cause of differences in the number of regions used for each breed was the number of available lactations. The States comprising each region are shown in table 1, of the Appendix.

The measure of breeding merit used in these summaries is the Predicted Difference. This value is the expected deviation of a bull's progeny from their herdmates in breed average herds. The Predicted Difference (PD) is computed as follows:

$$PD = \frac{Nh^2}{4 + (N-1)h^2 + 4 \frac{\sum n_i(n_i-1)}{N}} + \frac{c^2}{N} + \frac{[(Dau. Avg. - AHMA) + 0.1(AHMA - Breed Avg.)]}{1}$$

↓

Adjust-  
ment for  
number of  
daughters

↓

Adjust-  
ment for  
distribu-  
tion of  
daughters  
over herds

↓

Environ-  
mental  
correlation

↓

Adjustment  
for herd  
environment  
and number  
of herdmates

↓

Adjustment for  
herd genetic  
level

where: N = Total number of progeny of the bull

$n_i$  = Number of progeny in the  $i^{th}$  herd

$h^2$  = Heritability of milk yield from paternal half-sib estimates in nationwide populations

$c^2$  = Residual environmental correlations among half-sibs in the same herd after they are expressed as deviations from herdmates

AHMA = Adjusted herdmate average; Daus. = daughters; and Avg. = average.

The value  $w_j$  will be substituted for N when some daughters have more than one record,

where:  $w_j = \frac{n_j R}{R [1 + (n_j - 1) R]} = 1.00 \text{ for one record; } 1.33 \text{ for two records; } 1.50 \text{ for three records; etc.}$

R = Repeatability of individual records  
= 0.50

$n_j$  = Number of records on the  $j^{th}$  cow



The breed average is compiled from all DHIA cows of the respective breed that calved in 1963 and 1964. These averages are shown in the following tabulation:

<u>Breed</u>	<u>Milk</u> <sup>1/</sup> <u>Lb.</u>	<u>Fat</u> <sup>1/</sup> <u>Lb.</u>	<u>Breed</u>	<u>Milk</u> <sup>1/</sup> <u>Lb.</u>	<u>Fat</u> <sup>1/</sup> <u>Lb.</u>
Ayrshire-----	10,546	426	Brown Swiss-----	11,689	477
Guernsey-----	9,153	436	Milking Shorthorn-	9,204	345
Holstein-----	13,357	487	Red Dane-----	11,397	454
Jersey-----	8,414	429	Red Poll-----	7,904	316

1/ 2X, 305-day, mature equivalent.

The precision with which a Predicted Difference will predict the true breeding merit of an individual bull, relative to other bulls of that breed, depends on many factors. The major variables that affect precision are:

- (1) Number of daughters in the summary
- (2) Number of herds in which the daughters are located
- (3) How the daughters are distributed through these herds
- (4) Number of lactations per daughter in the summary

The accuracy of predicting a bull's true breeding merit increases as additional daughters and herds are added. The more uniform the progeny are distributed through the herds represented, the more repeatable the summary becomes. Ability to measure the true daughter deviation in breed average herds increases as the number of lactations per daughter increases. Examples of Repeatability for different combinations of numbers of daughters per herd are shown in the figure 1.

The measure of precision in the Predicted Difference used in this publication is the Repeatability of the sire summaries, which is computed as follows:

$$\text{Repeatability of a sire summary} = \frac{N h^2}{4 + (N - 1) h^2 + 4 \frac{\sum n_i (n_i - 1)}{N} c^2}$$

where:  $N$  = Number of daughters in the summary. The value of  $w_j$ , as explained previously, is substituted for  $N$  when some daughters have more than one lactation.

$h^2$  = 0.19 and is the heritability of milk production as developed from nationwide samples of records.

$\frac{\sum n_i (n_i - 1)}{N}$  = The adjustment for distribution of daughters through the herds represented in the sire summary.

$n_i$  = Number of daughters in each herd. If a bull had nine daughters in herd 1, and six daughters in herd 2,  $\sum n_i (n_i - 1) = 9 (8) + 6 (5)$ .

$c^2$  = 0.14 and is the relationship among half-sisters calving in the same herds because of common environment and certain genetic factors not accounted for by differences among bulls.

A low Repeatability value or confidence factor, indicates that the true breeding merit of the bull involved may be appreciably different from the Predicted Difference shown for that bull in the same sire summary.

The parameters used in computing the reliability of sire summaries are based on the best research information presently available. The value of  $h^2$ , 0.19, is the same as used by USDA in the past in the equation for adjusting summaries on AI bulls,  $\frac{N}{N + 20}$ . The value of  $c^2$ , 0.14, is based on USDA research with nationwide samples of data.

It has long been known that the accuracy of projecting a lactation record is proportional to the number of days in milk.

This principle was used to adjust incomplete lactations in this DHIA Sire Summary List. The procedure is as follows:

$$\text{Adj. Dau. rec.} = \text{AHMA} + r_i (\text{Proj. Dau. rec. minus AHMA})$$

where:  $r_i$  = The phenotypic correlation between a record with  $i$  months in milk and a 305-day record.

Adj. Dau. rec. = Adjusted daughter record

Proj. Dau. rec. = Projected daughter record (2X, 305-day, M.E.)

AHMA = Adjusted herdmate average

The correlations were stratified by age, as follows:

	Months in Milk									
	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
2-yr-old cows	.72	.83	.88	.92	.94	.96	.97	.98	.99	1.00
Older cows	.60	.74	.82	.86	.91	.93	.96	.98	.99	1.00

Thus, for example, a 2-year-old cow with a record of from 15 to 46 days in milk would receive only 72 percent as much weight as one that had completed a lactation. A record of 120 days or more (4 months in milk) is given practically the same weight as a complete record.

#### INTERPRETATION OF SIRE SUMMARY

The contemporary herdmate comparisons used in the USDA-DHIA Sire Summaries are especially effective in reducing environmental influences arising from herd, year, and season of calving. The primary purpose of the summaries is the use of Predicted Differences to evaluate bulls on the basis of estimated breeding value or transmitting ability for milk and butterfat yield.



Sire evaluations are based on the most reliable statistical methods available, but their usefulness for ranking bulls may be seriously limited when the Repeatability value, or "confidence factor," is less than 50 percent. When the Repeatability value is less than 50 percent the summary needs to be supplemented with additional information from the herd(s) in which the sire's daughters made their records.

Situations that are likely to cause sire summaries to represent inaccurately the true transmitting ability of the sire are (1) daughters receiving feed and management that are different from their herdmates, (2) daughters of only one or a few bulls represented among herdmates, and (3) none or few herdmates of the same age as the daughters of the bull in question.

The greater the Repeatability value, or "confidence factor," of a summary the greater the probability that the Predicted Difference reflects the true transmitting ability of the bull for milk and fat yields.

The choice between two bulls with similar Predicted Differences involves less gamble when the bull with the higher Repeatability value is selected. However, caution should be used in predicting a bull's potential based on a single mating, regardless of the Repeatability value.

Additional tabular information that supports the Summary is in the Appendix at the end of the publication.

When a bull is in an AI stud, the DHIA Sire Summary List shows sire's AI stud code or the last organization that owned the summarized sire. The list of AI organizations that have operated in the United States in recent years is shown in appendix table 2, which has been compiled from reports received by ARS, Animal Husbandry Research Division. Some organizations listed in table 2 may no longer exist but are referred to because the sires they owned are summarized. An asterisk (\*) preceding the name of an AI organization indicates that the organization has been reported as being active. The AI State and organization codes together make up the sire's stud identification number.

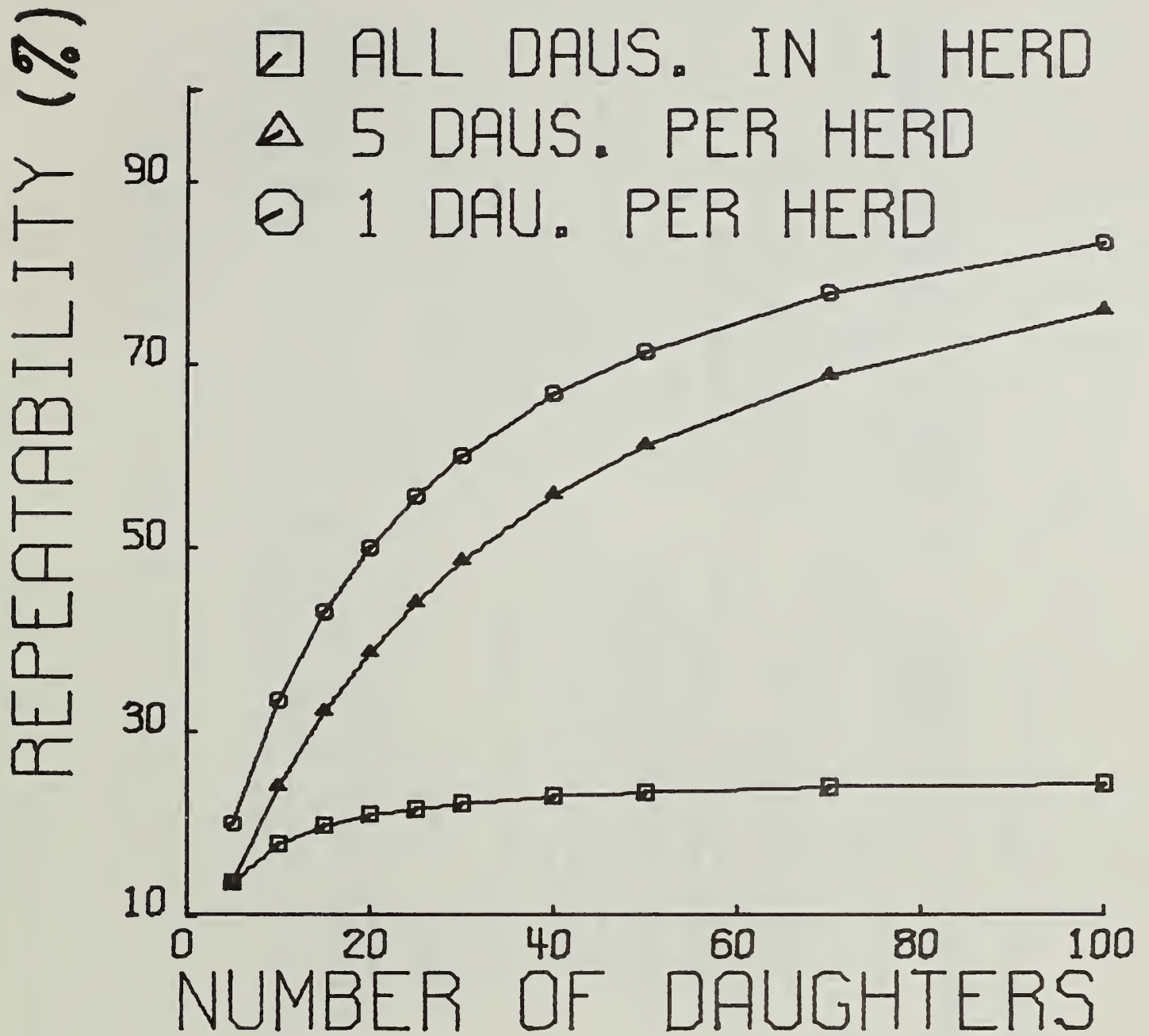


FIGURE 1





REGISTRATION				INC %	DAUGHTERS NO	REC / OAU	NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED HERDMATE NO	REPEATABILITY AVERAGES		PREOIFF MILK FAT	
NUMBER	NAME	OF BULL	%						MILK	%	FAT		FAT	SUMMARY	MILK	FAT
96189 02-10-49 STUO 31-01	TOLL GATE COLONEL 72686	808.....* 269615 5-67	10	498	2.21	161	6.3	10,696	3.94	421	11	10,367	404	95%	+295	+14
97587 01-01-49 STUO 48-01	MEOFORO TIMIO 55440	MICKEY.....* 338833 5-67	15	134	2.30	46	6.4	10,557	4.17	440	10	10,210	410	83%	+259	+24
101527 06-14-50 STUO 21-10	HEREDITH PREOITION 79374	.....* 296863 5-67	9	1,812	2.37	409	11.1	11,221	3.97	445	16	10,999	432	98%	+262	+13
106285 08-08-51 STUO 48-01	AYR-LINE MODISH 98640	GUY.....* 390648 5-67	11	350	1.99	94	7.3	10,881	3.97	432	13	10,613	418	92%	+252	+12
112443 07-21-53 STUO 23-09	JON-ELL COLONEL-S 96189	FASHION.....* 421789 5-67	11	158	1.39	40	7.5	11,018	4.15	457	15	11,013	443	82%	+42	+13
113986 11-30-54 STUO 23-11	REIOINA COR-S 107810	BRIGHT STAR.....* 408729 5-67	10	59	1.61	19	13.7	11,894	4.22	502	40	11,655	481	55%	+191	+14
114520 07-02-55 STUO 23-11	CLOVER CREST 110751	MARTHA-S KING.....* 270876 5-67	13	154	2.26	58	7.8	10,786	3.86	416	23	10,243	414	83%	+427	+1
115469 11-01-55 STUO 21-10	MEREDITH SIR 108684	TALISMAN.....* 329381 5-67	15	233	1.58	85	5.5	10,944	3.87	424	17	11,149	444	89%	-128	-15
116736 03-06-56 STUO 33-03	WINOROW BINGO 88074	.....* 336926 5-67	5	27	1.96	11	6.4	13,654	4.20	573	17	12,486	529	48%	+654	+26
116767 11-09-55 STUO 35-75	GLENGARRY LLOYD 116364	ROYAL.....* 524632 5-67	10	230	1.30	88	7.2	12,297	3.75	461	17	11,892	465	86%	+466	0
117064 01-29-55 STUO 31-01	PRAIRIE BLUE 94934	OARK BOY.....* 478769 5-67	14	120	1.38	54	4.9	11,391	3.96	451	12	10,830	432	81%	+474	+16
117504 05-12-56 STUO 52-01	KINGSLAND WHITE 113028	ROCK.....* 411624 5-67	0	26	2.00	13	4.8	12,401	3.87	480	29	11,559	458	52%	+486	+13
117528 09-25-56 STUO 31-01	WINOROW PREF. 113342	BRUNO.....* 492909 5-67	4	29	1.93	10	8.6	10,404	4.07	423	12	10,628	420	46%	-98	+1
117706 01-12-57 STUO 51-02	QUIET VALLEY 115588	BEN-S ACE.....* 429363 5-67	10	15	2.40	2	13.1	13,741	3.77	518	26	12,095	477	27%	+477	+12
117839 10-19-56 STUO 23-09	GREENRANGE HIT 78249	PARAOE.....* 466917 5-67	26	25	2.08	8	8.6	10,956	4.11	450	25	11,116	452	42%	-42	0
117912 10-02-56 STUO 33-03	MACKAYR MAJESTIC 103949	.....* 282629 5-67		29	1.93	7	17.0	12,760	3.79	483	9	12,044	471	35%	+306	+6
117936 01-14-53 STUO 21-10	SELWOOD BETTY-S 111157	COMMANDER.....* 560219 5-67	6	913	1.90	286	7.1	13,328	3.92	523	18	11,524	451	97%	+1839	+72
118681 03-14-57 STUO 33-03	MEREIOITH PREFERREO 79374	.....* 413239 5-67	14	123	1.62	70	3.0	10,922	3.76	411	14	10,360	408	85%	+460	+1
118834 10-25-56 STUO 21-10	SELWOOD OEBONAIR 111157	.....* 570666 5-67	7	290	2.42	143	3.6	12,170	3.80	462	18	11,501	450	93%	+712	+13
118919 07-06-57 STUO 63-01	MACKAYR SUPER 103949	STEPHEN.....* 442351 5-67	15	23	1.52	4	9.6	11,453	4.05	464	4	11,160	450	37%	+131	+6
119160 09-12-56 STUO 51-02	SELWOOD WALNUT-S 117225	VICTORY IMP..* 574330 5-67	13	87	1.45	24	14.9	11,587	4.03	467	15	12,292	490	62%	-326	-9
119293 11-10-57 STUO 21-10	GALNEY JACE COIN 111071	.....* 403631 5-67	4	93	2.35	60	2.3	11,675	3.79	442	16	11,432	449	84%	+278	-3
119554 08-06-57 STUO 35-75	THE COUNT OF TOLL GATE 115588	.....* 269615 5-67	0	40	1.85	12	12.0	12,897	3.92	505	27	11,438	455	49%	+751	+26
119673 07-30-57 STUO 41-01	SELWOOD GRETA-S 119936	BOY, IMP.....* 579546 5-67	10	13	1.77	11	1.3	10,101	3.84	388	9	10,309	403	43%	-98	-6
120135 03-12-58 STUO 33-03	OAK RIDGE LIGHTNING 115077	.....* 377485 5-67	8	20	1.60	1	20.0	15,378	3.89	598	51	13,136	489	24%	+600	+28
120830 02-15-59 STUO 33-03	WOODHULL AZTEC 96019	.....* 359836 5-67	17	10	1.50	1	10.0	9,686	3.63	352	11	10,771	409	20%	-207	-11
121738 05-01-59 STUO 48-01	AYR-LINE FASHION 106285	GARY.....* 449853 5-67	23	25	1.48	14	3.1	10,706	3.87	414	13	10,489	416	52%	+111	-1
122636 02-25-60 STUO 21-10	VALHALA WAR 62636	LEAOER.....* 539192 5-67	8	67	1.43	47	1.7	12,255	3.94	483	20	11,856	463	78%	+411	+18
123266 11-16-59 STUO 23-11	BLACKWOOD 95443	BELLMAN.....* 567642 5-67	0	15	1.33	10	1.9	11,636	4.00	465	34	10,912	438	42%	+322	+12

[illegible]

REGISTRATION				INC %	DAUGHTERS		NO OF HERDS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY		
NUMBER	NAME	OF BULL	NO		REC / DAU	MILK			%	FAT	HERDMATE NO	MILK	FAT	OF SIRE SUMMARY	PRED DIFF MILK	FAT
445765 01-13-49 STUD 31-01	FRANCHESTER 286588 STATES	FREE STERLING..... 621640 13-31,56,65,74,84	14	282	2.22	113	5.7	8,595	4.71	405	16	8,959	412	91%	-349	-8
475595 10-31-50 STUD 34-01	YELLOW CREEK 418022 STATES	JEWEL SUPREME..... 913505 31-31,32,34,41,48	11	1,613	2.17	361	11.3	10,517	4.83	508	13	9,705	467	98%	+846	+43
485536 10-03-51 STUD 31-01	WESTERN GLOW 458786 STATES	C. F. DUKE..... 1160645 9-31,32,74,91,93	10	129	1.78	61	5.8	9,296	4.78	444	19	9,723	459	82%	-302	-9
487028 02-09-51 STUD 31-01	MCDONALD FARMS 423199 STATES	LE ROYALIST..... 963661 12-21,31,33,35,42	5	313	2.11	111	6.2	9,350	4.88	456	11	9,369	445	92%	+2	+11
491754 01-12-52 STUD 91-13	ADGHR PETER PAN 431555 STATES	PRINCE..... 670287 8-31,48,86,87,93	8	45	1.89	11	13.4	11,339	4.69	532	44	10,349	482	50%	+553	+27
494519 04-27-52 STUD 63-01	QUINCY CAVALIER-S 448935 STATES	GAY LARK..... 1079035 5-33,52,58,61,63	71	2.11	42	2.4	8,751	4.85	424	17	8,412	392	79%	+208	+22	
495454 09-04-52 STUD 33-03	CURTISS CANDY 459489 STATES	DUKE CURTISS..... 1044726 33-21,23,32,33,35	10	357	2.45	227	2.4	8,890	4.80	427	14	9,067	426	95%	-176	0
496783 03-26-52 STUD 41-25	NYALA ERMINE-S 411313 STATES	BONANZA..... 662789 40-21,23,31,42,82	9	1,499	2.11	530	7.7	10,383	4.82	500	22	10,042	476	98%	+421	+27
499561 07-27-52 STUD 34-01	BRADFORD-S EDITH PAT..... 477761 STATES	1108809 5-14,32,33,34,72	13	332	2.03	118	6.0	9,715	4.96	482	11	9,527	457	92%	+208	+25
500101 01-11-52 STUD 23-09	GOLDEN HARVEST KING COLE..... 407921 STATES	941910 10-23,35,50,51,72	14	879	1.80	236	7.1	9,408	4.96	467	16	9,373	445	97%	+55	+22
501586 03-02-53 STUD 35-75	WASHOUGAL CADET MAJESTY..... 379905 STATES	1280460 13-35,41,91,92,93	6	90	2.00	39	9.8	10,133	4.65	471	14	9,582	448	70%	+415	+17
505970 04-24-53 STUD 21-10	DLO HOMESTEAD C.A.B.A. PHAREKA* 298216 STATES	1075438 11-13,14,16,21,41	11	569	2.11	203	5.7	11,102	4.46	495	14	9,754	464	96%	+1345	+32
506918 04-29-53 STUD 34-01	LAKE LOUISE RDSE HOLLISTAR..... 288632 STATES	1076367 11-23,33,34,50,56	7	167	2.24	74	5.4	9,626	4.96	477	26	9,609	460	87%	+54	+17
508809 09-18-53 STUD 34-01	LOCKSHORE MAXIM LOCHINVAR..... 474442 STATES	1152177 4-32,33,34,35	15	163	1.77	70	10.6	9,211	4.85	447	21	10,006	477	80%	-569	-20
510014 04-29-53 STUD 93-10	HAZELWOOD HIGH ZENITH..... 452071 STATES	764787 1-93	2	68	2.99	5	25.9	11,945	4.58	547	18	11,163	522	50%	+492	+17
510148 02-07-53 STUD 35-02	MAXIM OF MCDONALD FARMS..... 454297 STATES	1056587 12-10,23,31,51,55	55	1.65	31	3.7	9,478	5.00	474	32	9,676	460	70%	-100	+11	
510634 12-19-53 STUD 51-02	FAIRLAWN K. FORTUNE..... 297107 STATES	1265185 18-16,22,23,51,54	7	207	1.59	106	4.2	10,179	4.62	470	28	9,760	466	89%	+426	+6
511244 10-24-53 STUD 35-75	BURGER-S PLACE BILLY..... 454224 STATES	1278008 42-21,35,41,52,58	10	2,010	1.46	586	14.2	10,333	4.52	467	29	9,728	459	98%	+646	+10
511435 02-18-54 STUD 31-01	HOMINY HILL GAGE..... 453762 STATES	1037559 5-23,31,34,74,84	14	177	1.76	58	4.8	9,627	4.58	441	12	9,358	436	87%	+252	+4
512142 04-21-54 STUD 41-25	STRINGTOWN N. TALENT..... 494885 STATES	865539 2-42,47	6	23	1.57	11	3.9	7,937	4.75	377	9	8,544	403	48%	-321	-13
512281 05-24-53 STUD 72-01	GOLDEN GRANGE P. CORPORAL..... 463332 STATES	1263588 9-31,32,43,61,72	8	85	1.49	29	14.3	9,181	4.76	437	44	9,320	434	61%	-74	+2
512569 03-06-54 STUD 33-02	FOREMOST FOOTPRINT-S SUPERIOR.* 351131 STATES	1316686 3-31,33,43	4	71	1.87	32	8.5	9,491	4.76	452	11	9,349	443	67%	+108	+6
512974 02-07-54 STUD 33-03	HENSLEE FARMS V. FAME..... 458786 STATES	1408844 44-21,23,33,35,65	11	1,512	1.56	554	6.4	9,990	4.50	450	23	9,707	454	98%	+332	-1
515718 11-12-54 STUD 63-01	HENSLEE FARMS O FORWARD..... 426335 STATES	1010804 1-63	0	36	1.92	10	10.2	8,708	4.54	395	23	8,839	412	48%	-77	-8
515994 12-16-53 STUD 41-25	SKYLINE LEE-S OANCER..... 483717 STATES	1432318 1-47	7	20	3.60	7	7.8	8,516	4.73	403	7	9,189	434	41%	-276	-12
518026 12-12-54 STUD 35-02	MCDONALD FARMS MISTER VIRGIL..* 486786 STATES	958368 4-33,34,35,42	8	121	2.02	53	3.9	10,324	4.65	480	14	9,665	454	84%	+597	+23
518099 02-06-55 STUD 35-75	RANSOM SATANTA-S SCHOLAR..... 472450 STATES	1513306 12-32,48,52,55,58	26	84	1.60	34	14.4	8,945	4.78	428	13	9,138	439	61%	-118	-6
519383 11-20-54 STUD 23-11	YELLOW CREEK B. SALAMANDER..... 481593 STATES	1480184 3-23,51,52	10	248	2.04	82	7.0	9,732	4.85	472	16	9,360	456	89%	+350	+16
519472 02-23-55 STUD 21-10	ARGILLA BRIGHT STAR-S BRUTUS..* 391470 STATES	1092039 7-12,13,14,21,23	17	108	1.89	47	4.2	9,525	4.71	449	13	9,538	443	82%	+21	+5



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY OF SIRE		PRED OFF	
NUMBER	NAME	OF	BULL		NO	DAU			MILK	%	FAT	HEROMATE NO	MILK	FAT	SUMMARY	MILK	FAT
519636	MCOONALO FARMS	JOLLY VICAR.....	1	177	2.31	81	4.1	8,842	4.93	436	10	9,083	434	89%	-219	+2	
10-16-54 439587 1293104 5-67																	
STUO 33-01 STATES 7-32,33,35,41,43																	
519717	WOODACRES R L	CANAOKIAN.....	17	30	1.03	23	1.5	7,648	4.92	376	22	9,165	433	59%	-886	-33	
01-08-55 502634 838045 5-67																	
STUO 35-75 STATES 10-32,33,35,41,93																	
521150	WOODACRES LEAOKER-S	TRUMPETER..*	13	430	2.17	200	3.5	9,615	4.64	446	15	9,556	447	95%	+95	0	
04-19-55 383832 1315912 5-67																	
STUD 21-10 STATES 8-12,13,16,21,22																	
521589	BLUFF VIEW KING	SUPERIOR.....	12	25	2.12	5	8.4	8,793	4.40	387	26	8,491	375	44%	+103	+3	
05-25-55 329184 1224403 5-67																	
STUO 65-02 STATES 2-63,74																	
522508	GRANOVU MEL	HOUEANIE.....	0	15	3.00	3	11.4	10,556	5.13	541	6	10,179	490	30%	+145	+17	
04-30-55 413927 986006 5-67																	
STUO 91-11 STATES 2-35,41																	
522908	IOEAL-S PATTY-S	SUPERIOR.....	16	637	1.41	189	7.9	9,654	4.67	451	17	9,617	462	95%	+79	-7	
06-22-55 448080 1302126 5-67																	
STUO 23-09 STATES 7-22,23,50,51,52																	
524257	NORTHERN ASTORS	MAJESTY.....	0	32	3.28	2	28.2	11,274	4.67	527	7	11,622	554	32%	-31	-4	
12-21-55 464488 1252008 5-67																	
STUO 63-01 STATES 1-16																	
524759	NORTHERN AQMIRAL-S	KIP.....	30	22	1.27	14	2.2	9,859	4.75	468	11	9,872	464	50%	+29	+3	
01-31-56 452274 1585978 5-67																	
STUO 35-75 STATES 10-11,12,31,32,58																	
524993	MCOONALO FARMS	JOLLY VERN.....	15	294	1.52	165	5.9	9,443	5.03	475	22	10,031	481	91%	-452	0	
11-22-54 439587 1609529 5-67																	
STUO 33-03 STATES 33-21,23,31,33,50																	
525381	HOMINY HILL	IMPERIAL.....	17	107	1.62	42	13.6	9,928	4.39	436	23	9,806	463	69%	+127	-16	
02-04-56 422711 1505185 5-67																	
STUO 23-09 STATES 4-23,50,51,52																	
525463	COLLEY-S MR	MINNIE.....	9	83	2.07	33	5.8	9,836	5.02	494	18	9,644	464	75%	+182	+25	
11-15-55 475416 1104226 5-67																	
STUD 34-01 STATES 8-23,34,35,41,84																	
525969	BETHANY WISTAR-S	H. HONOR.....	13	268	2.12	64	10.4	9,810	4.81	472	17	9,687	472	88%	+155	+3	
12-13-55 416480 837157 5-67																	
STUO 23-11 STATES 2-23,52																	
526134	OENNIS FARM FORE	JULIUS.....	12	47	2.09	22	9.3	9,625	4.81	463	9	9,763	460	57%	-43	+3	
10-28-55 449173 1283142 5-67																	
STUO 35-02 STATES 2-33,35																	
526294	NYALA MAJESTY-S	ACME.....	9	340	2.04	119	5.5	10,301	4.58	472	16	9,695	460	93%	+612	+13	
12-24-55 332819 1352408 5-67																	
STUO 21-10 STATES 7-13,14,15,16,23																	
526592	IOEAL-S TILOA-S	SUPERIOR.....	14	112	1.66	35	21.0	9,612	4.90	471	45	9,646	447	62%	+10	+16	
09-23-55 448060 950446 5-67																	
STUO 35-75 STATES 13-23,32,35,52,85																	
526870	MCOONALO FARMS	ROYAL ZEB.....	7	77	1.71	27	11.0	10,042	4.70	472	16	9,772	462	65%	+215	+8	
02-09-56 470604 1425630 5-67																	
STUO 35-02 STATES 3-31,35,56																	
527413	MULHOCWAYAY B	MAGISTRATE.....	2	55	1.84	23	7.1	8,683	4.94	429	10	9,002	426	64%	-212	+1	
01-16-56 493764 1466585 5-67																	
STUO 41-01 STATES 3-35,41,45																	
527534	IOEAL-S TRISUPER.....	19	134	1.78	67	13.3	9,906	4.95	490	59	10,302	503	74%	-207	-4		
01-10-55 448080 1359994 5-67																	
STUO 33-03 STATES 19-22,23,32,33,35																	
527799	FINCH-S LA FAYETTE.....	7	53	2.81	38	1.9	9,456	4.62	437	13	9,243	436	76%	+170	+1		
03-29-56 430189 1145914 5-67																	
STUO 35-02 STATES 3-34,35,72																	
527801	HOLLIKNOLL CHALLENGER.....	14	40	2.00	17	9.0	9,407	4.84	455	18	9,456	461	53%	-9	-1		
05-20-56 508604 855998 5-67																	
STUO 52-01 STATES 2-52,63																	
527802	HOLLIKNOLL CAPTAIN.....	6	99	2.04	13	30.5	10,600	4.55	482	56	10,336	493	54%	+206	-2		
05-31-56 510634 1245016 5-67																	
STUO 31-02 STATES 6-21,23,52,55,63																	
528225	MCOONALO FARMS	SUPREME OEANIE.*	16	85	2.00	48	5.1	9,759	4.64	453	13	9,722	449	76%	+71	+4	
01-06-56 503925 1690147 5-67																	
STUO 33-03 STATES 18-23,33,34,35,41																	
528424	YELLOW CREEK	NOBLE CHIEF.....	13	291	1.49	115	5.6	10,952	4.75	520	14	10,285	495	91%	+708	+28	
02-18-56 509779 1581532 5-67																	
STUO 34-01 STATES 12-23,31,32,34,48																	
528754	YELLOW CREEK	S. FORTUNE.....	11	160	2.12	99	2.2	10,660	4.91	523	16	9,783	459	89%	+840	+59	
03-19-56 475595 1473505 5-67																	
STUO 21-10 STATES 6-13,16,21,23,56																	
529456	HENSLEE FARMS	VISCOUNT.....	12	117	1.59	51	16.3	9,739	4.83	470	13	10,263	502	67%	-276	-16	
07-07-56 512972 1408844 5-67																	
STUO 35-75 STATES 19-21,32,48,55,91																	
529809	MCOONALO FARMS	MISTER ZELL.....	0	44	2.30	14	14.5	10,502	4.98	523	18	10,566	511	49%	+38	+10	
01-12-56 488786 873080 5-67																	
STUO 35-75 STATES 3-21,23,51																	
529812	LAKE LOUISE	CORONATION PRINCE.*	25	36	2.39	4	21.6	11,542	4.51	520	25	11,830	530	37%	-7	0	
06-22-56 428861 1300425 5-67																	
STUO 23-09 STATES 2-23,33																	
530211	OEEP LAKE G.	HOLLIKING.....	23	32	1.84	11	5.6	11,520	5.04	581	17	11,028	537	53%	+361	+29	
07-19-56 502027 1325646 5-67																	
STUO 21-10 STATES 5-16,21,22,51,57																	
530291	MCOONALO FARMS	JOLLY VAL.....	12	461	1.55	178	8.3	9,291	4.90	455	17	9,944	471	93%	-531	-11	
12-06-54 439587 1175197 5-67																	
STUO 35-05 STATES 31-21,31,35,41,42																	



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER			ADJUSTED		REPEATABILITY		PREO	
NUMBER	N A M E	O F B U L L	REC / OAU		AVERAGES %	FAT			HEROMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY	DIFF MILK	FAT			
531081 10-02-56 STUD 41-01	U. OF M. G. 507524 STATES	GIANT..... 1446249 4-41,42,45,46	8	85	1.96	38	8.1	9,341	4.79	447	10	9,196	441	72%	+108	+5	
531473 12-09-56 STUD 31-02	YELLOW CREEK 475595 STATES	S. TRAVELER..... 1420891 4-23,31,32,42	*	36	1.86	11	14.2	11,284	4.83	545	10	10,980	525	43%	+209	+12	
531700 09-27-56 STUD 72-01	OLO HOMESTEAD 398391 STATES	IMPRINT..... 1380156 1-72	*	0	25	1.88	10	4.4	8,487	4.50	382	50	8,188	364	51%	+102	+5
533454 06-13-56 STUD 41-25	LUSHACRES HERME-S 415425 STATES	HAPPY FELLA.* 944040 10-32,43,47,48,56	*	4	74	2.45	21	23.8	10,098	4.52	456	36	9,684	429	53%	+246	+14
533769 01-13-57 STUD 33-03	NORGERT-S ROYAL 473218 STATES	NANCE..... 1427010 32-21,23,31,33,35	*	4	322	1.33	157	13.5	11,624	4.51	524	25	11,059	523	86%	+649	+
533774 05-10-57 STUD 33-03	NORGERT-S ROYAL 473218 STATES	PAULSON..... 1022397 24-21,23,32,33,35	*	8	151	1.74	93	2.7	9,963	4.33	431	16	9,449	440	88%	+478	-7
534613 02-15-57 STUD 23-11	WAROELL-S BROCKTON 422711 STATES	CHAMPION... 1521205 4-22,23,31,58	*	0	24	2.58	7	13.7	11,262	4.54	511	21	11,077	519	35%	+134	0
534976 08-20-55 STUD 31-01	GOLDEN GRANGE 424343 STATES	IDEAL VANGELINE.* 1103034 6-23,31,32,34,51	*	6	23	2.57	18	1.6	9,755	4.61	450	16	9,335	435	59%	+257	+9
535338 05-16-57 STUD 35-02	WESTERN GLOW 522682 STATES	MARYANN-S TRAVELE* 1140664 10-35,64,81,82,91	*	12	111	1.75	65	2.6	10,338	4.50	465	16	9,878	468	85%	+450	0
535663 06-15-55 STUD 91-11	IDEAL-S SUSIE-S 506998 STATES	JANUS..... 1459003 1-42	*	10	1.80	4	3.6	8,978	4.50	404	4	8,877	420	30%	+22	-4	
535689 08-17-57 STUD 48-01	WESTLYNN 8. 496783 STATES	COLLEGE KING..... 1029751 4-42,47,48,73	*	13	74	1.93	28	5.2	8,780	4.75	417	14	8,855	424	74%	-77	-5
536182 07-29-57 STUD 91-11	ROBERTS FARM 438330 STATES	ROYAL-S PEER..... 1459003 3-22,33,35	*	0	44	2.66	4	19.5	11,225	4.52	507	18	10,758	511	45%	+280	+2
536269 05-28-57 STUD 31-02	FLYING HORSE 467844 STATES	HARMONY ROYALMOST* 1349127 16-31,32,55,56,58	*	19	500	1.80	148	7.8	9,056	4.64	420	25	9,402	437	94%	-300	-15
536475 11-07-57 STUD 21-10	HANSENAREA MOTEL..... 425345 STATES	* 1531468 5-13,16,21,51,63	*	17	129	2.31	88	1.8	9,969	4.71	470	16	9,595	449	88%	+369	+20
536589 10-19-57 STUD 23-09	MISS LILY-S NEPTUNE..... 439587 STATES	* 1755572 5-11,21,23,47,63	*	13	81	1.60	36	11.1	10,243	4.82	494	16	10,601	505	65%	-138	-2
536610 12-22-57 STUD 35-02	NORGERTS ROYAL O. 473218 STATES	SCOTSMAN.... 1600002 2-33,48	*	0	33	2.42	5	10.0	10,166	4.61	469	18	9,546	456	49%	+326	+7
536658 08-11-57 STUD 93-02	FAIRLAWN LINARIA-S 473833 STATES	WARRIOR.... 1265185 5-84,86,91,92,93	*	13	10	2.10	8	1.4	10,380	5.07	526	27	9,718	470	38%	+271	+22
536875 09-23-57 STUD 21-10	WANDERING BROOK MO-MAR..... 425345 STATES	* 1006799 7-13,14,16,21,23	*	15	349	1.91	138	4.4	9,576	4.76	456	14	9,738	459	94%	-96	0
536977 01-06-58 STUD 93-05	PRESTOALE VIC-S REX..... 511627 STATES	* 1613591 1-92	*	17	33	2.36	2	29.2	9,679	4.41	427	12	9,526	422	29%	+56	+1
536994 09-24-57 STUD 31-02	HOMINY HILL FURNESS..... 453762 STATES	* 1575732 7-23,31,43,56,71	*	7	60	1.23	30	2.8	10,571	4.53	479	18	9,822	462	71%	+582	+14
537299 07-31-57 STUD 91-13	GOLDEN HARVEST F 507847 STATES	GLAOSTONE.... 1609367 4-82,87,91,92	*	9	86	1.73	46	2.6	9,956	4.69	467	13	10,198	488	81%	-110	-12
537301 08-21-57 STUD 23-11	GOLDEN HARVEST 407921 STATES	KING-S GCURMET.* 1492619 4-22,23,56,58	*	12	155	2.17	48	6.9	9,668	4.95	479	16	9,236	444	84%	+371	+30
537347 07-10-57 STUD 31-01	FRANCHESTER TRANSFER-S 453207 STATES	JESTER.* 734290 11-16,23,31,56,84	*	8	156	1.87	65	10.7	9,157	4.71	431	27	9,726	462	80%	-408	-22
537401 07-19-57 STUD 35-05	MCOONALO FARMS 488786 STATES	MISTER ANTON... 1328089 1-31	*	0	25	2.32	1	25.0	10,900	5.13	559	18	9,793	469	27%	+313	+25
537680 07-29-57 STUD 61-01	LYRENE MYRA-S 470256 STATES	WISTAR..... 1540439 4-23,34,61,63	*	5	21	1.81	10	4.8	11,184	4.71	527	15	10,092	483	45%	+531	+22
537771 07-05-57 STUD 93-05	OENNY-OALE LOREN-S 467224 STATES	BUILDER.... 1652239 1-91	*	7	18	2.17	4	7.2	10,815	4.58	495	13	11,195	510	37%	-65	-2
538021 04-07-56 STUD 21-10	WILLOW SPRING 8FT. 475555 STATES	SUPREME.... 1339128 5-12,13,22,32,34	*	11	48	1.46	21	8.0	10,410	4.90	510	11	9,673	466	57%	+448	+27
539419 11-02-57 STUD 33-03	WYNO SAINT-S 429156 STATES	HERO..... 1482000 10-21,23,31,35,63	*	3	34	1.50	17	4.0	11,919	4.61	550	29	10,475	495	57%	+900	+35
539742 12-20-57 STUD 34-01	METZGER FARMS 453207 STATES	TRANSFER VALOR... 1543739 2-23,32	*	3	34	2.09	6	19.0	13,304	4.94	657	20	12,407	601	37%	+454	+27

REGISTRATION					INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY		PREOIFF		
NUMBER	NAME	OF	BULL	NO		REC / OAU	MILK			%	FAT	HERO	MATE	FAT	OF SIRE SUMMARY	MILK	FAT		
539902	MONTEREY L. KING.....*	02-20-58	496522	1097100	5-67	0	23	1.78	5	9.1	10,504	4.38	460	13	9,883	475	39%	+269	-3
STUO	41-25	STATES	3-43,51,72																
540160	ROETTA ROSE MASTER-S 8UO.....*	10-01-57	440558	1768707	5-67	21	63	1.57	23	7.9	11,243	4.85	545	12	11,160	541	64%	+182	+9
STUO	35-02	STATES	3-35,91,92																
540203	FAIRLAWN PAMELA-S WARRIOR.....*	02-03-58	473833	1408562	5-67	3	51	1.67	9	27.4	10,470	4.50	471	37	10,354	460	38%	+90	+5
STUO	72-01	STATES	1-72																
540259	RUSHCREEK SUPREME-S LAD.....*	03-06-58	475595	806273	5-67	5	21	2.00	3	15.6	13,152	4.43	582	6	11,719	542	30%	+509	+15
STUO	51-02	STATES	1-32																
540627	GUERNSEY LAND FAITHFUL-S JANUS*	08-15-57	523717	1514633	5-67	7	33	2.15	9	19.1	9,924	4.57	454	47	9,707	461	36%	+98	-1
STUO	31-01	STATES	4-31,33,61,63																
540888	PONO ACRE FARM-S F. FLICKER....*	07-31-57	475548	1078459	5-67	0	19	2.21	8	6.8	11,575	4.70	544	12	10,983	520	40%	+307	+15
STUO	72-01	STATES	2-21,51																
541009	MULHOCWAY BUTTERFAT KING HAL.*	05-12-58	493764	1217600	5-67	12	65	1.72	38	2.4	9,618	4.86	467	14	9,443	443	76%	+156	+19
STUO	35-05	STATES	7-22,23,31,35,41																
541091	MAPLE OAWN WINOSOR-S FORCE.....*	03-12-58	523127	1699957	5-67	8	29	2.34	3	13.5	11,594	4.68	543	12	10,407	510	40%	+529	+16
STUD	34-01	STATES	1-34																
541674	HOLLIKNOLL 8ONO-S EMBASSADOR...*	04-19-58	446227	1245016	5-67	20	201	1.37	61	9.2	9,087	4.73	430	24	9,347	443	83%	-200	-9
STUO	52-01	STATES	6-23,35,52,55,56																
542269	WILLOW SPRING SUPREME VIC.....*	03-28-58	538021	932926	5-67	10	61	1.56	32	2.6	10,282	4.71	484	15	9,646	447	74%	+508	+28
STUO	21-10	STATES	7-12,13,14,15,32																
543094	MCOONALO FARMS JOLLY 8EAU.....*	07-31-58	439587	1538109	5-67	0	9	1.56	6	1.8	9,581	4.83	463	10	9,308	441	32%	+92	+7
STUO	91-11	STATES	2-33,35																
543096	MCOONALO FARMS GOLOEN 8ART.....*	08-19-58	522990	1429477	5-67	0	8	2.50	1	8.0	12,405	4.93	612	12	12,027	592	22%	+144	+8
STUO	35-05	STATES	1-14																
543158	NORTHERN HERMES.....*	10-14-58	415425	1344800	5-67	3	83	1.69	43	3.8	10,533	4.44	468	15	9,355	442	78%	+932	+21
STUO	35-05	STATES	4-15,35,41,42																
543348	COLBYS GABRIEL.....*	06-23-58	440484	1144594	5-67	10	190	2.28	82	3.6	9,455	4.73	447	16	9,425	444	90%	+52	+3
STUO	23-09	STATES	3-23,34,41																
543422	RIVERVIEW MALITA-S KING.....*	07-29-58	498590	1463957	5-67	12	74	1.59	41	2.9	9,826	4.78	470	16	10,170	485	77%	-186	-7
STUO	91-13	STATES	5-82,86,87,91,92																
543818	FAIRLAWN MURIEL-S VALOR.....*	09-12-58	533507	1004019	5-67	12	223	2.16	139	2.3	10,550	4.42	466	17	9,682	454	92%	+851	+13
STUO	21-10	STATES	12-16,21,23,32,63																
543819	FAIRLAWN WARRIOR-S BELL8DY....*	09-13-58	473833	1637823	5-67	14	45	1.49	9	23.5	10,360	4.68	485	20	9,376	435	38%	+377	+19
STUO	41-25	STATES	3-35,41,42																
543853	MARGENOELL HIS MAJESTY.....*	09-10-58	528225	1660942	5-67	4	58	1.72	29	3.4	10,078	4.57	461	15	9,341	439	72%	+544	+16
STUO	33-03	STATES	9-11,21,23,33,35																
544226	8AYVILLE ROYAL VIRGINIAN.....*	07-24-58	449539	1567849	5-67	7	28	1.89	3	14.5	9,476	4.94	468	109	9,773	473	37%	-85	0
STUO	51-02	STATES	2-52,55																
544916	YELLOW CREEK BUTTERFAT 8ART....*	08-30-58	496474	1260591	5-67	3	44	2.39	27	2.6	10,088	5.06	510	13	9,738	462	71%	+289	+36
STUO	31-01	STATES	2-31,56																
544991	WYNO SAINT-S HUGO.....*	12-26-58	429156	1482000	5-67	15	217	1.83	104	3.3	9,739	4.68	456	20	9,494	452	91%	+254	+5
STUO	23-09	STATES	7-23,50,54,55,56																
545150	GRAYSMARSH MAINLINER.....*	09-02-58	468032	893958	5-67	7	53	1.47	12	20.9	10,258	5.08	521	27	10,567	517	43%	-72	+5
STUO	35-02	STATES	3-35,82,91																
545231	YELLOW CREEK HANOV EARL.....*	05-22-58	526747	1741218	5-67	6	18	2.33	3	14.3	11,150	5.10	569	12	10,608	529	29%	+197	+14
STUO	91-11	STATES	2-32,72																
545327	ERWIN FARMS PRINCE SUPREME.....*	11-28-58	475595	1494436	5-67	15	72	1.26	32	4.0	9,568	4.68	448	17	9,427	440	73%	+123	+6
STUO	31-02	STATES	7-23,31,32,56,71																
545369	NORTHERN HERMES EMORY.....*	03-01-59	415425	1346901	5-67	0	24	1.46	7	6.7	10,088	4.73	477	43	9,755	432	43%	+168	+19
STUO		STATES	4-33,43,48,73																
545802	FAR WEST NORAS TRANSFER.....*	11-17-58	453207	1687872	5-67	5	45	1.64	22	3.1	9,664	4.63	447	18	10,087	466	67%	-220	-10
STUO	91-13	STATES	3-83,86,92																
545984	8AYVILLE ROYAL KING.....*	12-18-58	449539	899617	5-67	8	16	1.50	13	1.5	7,643	4.64	355	38	8,295	380	46%	-338	-13
STUO	63-01	STATES	6-52,55,56,58,63																
546327	WESTERN GLOW MAY-S TRAVELER...	01-30-59	535338	1248725	5-67	0	7	1.00	3	2.7	13,099	4.31	564	18	12,211	521	22%	+260	+11
STUO	93-05	STATES	1-93																
546331	WESTERN GLOW OARIMOST.....*	05-14-59	475548	1146132	5-67	8	82	1.30	46	2.7	10,702	4.74	507	15	10,052	474	78%	+579	+29
STUO	91-13	STATES	6-21,35,82,84,91																

REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF DAU / HERO	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY		PRED	
NUMBER	NAME	DF	SULL		NO	REC / OAU			MILK	%	FAT	HERDMATE ND	MILK	FAT	DF SIRE SUMMARY	DIFF MILK	FAT
546390	DENNIS FARM	FORE	JULIAN.....*	4	26	1.88	18	2.7	9,866	4.84	478	14	9,662	463	56%	+143	+10
01-17-59	449173	1283142	5-67														
STUD 33-01	STATES	3-33,35,41															
546392	MAPLE LEAF	LENSDN.....*	0	19	1.95	1	19.0	7,715	4.99	385	46	8,056	400	25%	-111	-4	
12-08-58	458927	1206070	5-67														
STUD 63-01	STATES	1-41															
546422	EBER-LEA FARMS	PRINCE.....*	4	28	1.61	4	19.2	11,528	4.99	575	11	11,417	547	31%	+104	+12	
02-28-59	475548	1647662	5-67														
STUD 33-03	STATES	2-31,63															
546463	RIVERVIEW	CASCADE-S OICTATOR..*	7	33	1.39	23	1.7	8,929	4.88	436	17	10,046	468	63%	-643	-17	
12-18-58	498590	1461642	5-67														
STUD 91-13	STATES	2-83,92															
546559	GUERNSEY LAND	PHARAOH-S PHARAD*	22	46	1.26	34	1.6	11,111	4.49	499	15	10,142	475	70%	+742	+19	
09-13-58	298216	1170742	5-67														
STUD 21-1C	STATES	3-21,22,23															
546618	MCDONALD FARMS	ROYAL CRWN....*	4	25	1.60	5	17.8	11,179	5.07	567	13	11,361	532	30%	+12	+13	
05-05-59	470604	1756354	5-67														
STUD 23-09	STATES	3-21,23,51															
546626	MAGNOLIA FLASH	CORINTHIAN.....*	23	15	1.87	2	13.1	14,333	4.28	613	29	10,507	456	25%	+982	+39	
05-24-59	475548	1547800	5-67														
STUD 35-75	STATES	2-58,65															
547027	NORGERTS ROYAL	NANCE DEWDROP..*	5	27	1.89	10	4.8	10,772	4.38	472	37	10,466	476	52%	+227	0	
01-19-59	533769	1600002	5-67														
STUD 35-03	STATES	2-35,85															
547459	GAYDSO VIEW	FAME-S KING.....*	23	26	1.27	10	4.2	9,556	4.41	421	15	8,971	407	49%	+277	+5	
12-24-58	512974	1721548	5-67														
STUD 63-02	STATES	1-63															
547583	YELLOW CREEK	8FT. GYPSY KING..*	4	25	2.00	8	6.4	11,657	5.47	638	18	11,716	602	46%	+92	+24	
02-09-59	534741	1704723	5-67														
STUD 31-02	STATES	3-23,32,48															
547708	YELLOW CREEK	8. MAJESTY.....*	13	19	1.68	1	19.0	10,782	4.84	522	5	9,927	457	24%	+219	+16	
03-06-59	481593	1714735	5-67														
STUD 41-25	STATES	1-41															
547765	MAURANA S.	BUTTERFAT GONDOLIER.*	0	15	1.87	2	8.3	10,447	4.89	511	16	10,123	478	31%	+130	+11	
01-22-59	527808	1510922	5-67														
STUD 41-25	STATES	1-48															
547988	CHEDCD SWEETBRIARS	KING.....*	23	24	1.29	2	18.7	9,367	5.02	470	26	9,815	497	27%	-101	-5	
11-11-59	472563	1355138	5-67														
STUD 91-13	STATES	2-87,91															
548052	SHENMONT ROYAL	LESLIE MARCUS..*	13	16	1.31	1	16.0	12,770	4.69	599	17	10,702	530	22%	+478	+17	
08-20-59	449535	1217284	5-67														
STUD 35-75	STATES	1-52															
548118	DEEP LAKE	8DN-FLASH DEACDN....*	15	33	1.48	21	2.0	9,898	4.71	466	17	10,008	478	62%	-14	-4	
09-22-59	496783	1604692	5-67														
STUD 31-01	STATES	3-31,33,84															
548128	ROES-MDR E.	DISTINCTIDN.....*	0	13	1.92	3	9.4	11,319	4.77	540	9	10,915	522	27%	+155	+7	
04-25-59	493542	1062959	5-67														
STUD 41-25	STATES	1-33															
548211	SPRINGDALE	DORA-S REX.....*	0	25	1.72	1	25.0	11,470	4.75	545	14	11,443	532	25%	+64	+6	
04-07-59	460803	1576742	5-67														
STUD 35-01	STATES	1-34															
548281	RIVERVIEW	ILLETA-S PRINCE.....*	1	134	1.40	52	4.5	10,276	4.71	484	14	9,725	464	83%	+507	+19	
08-31-59	496783	1787052	5-67														
STUD 31-01	STATES	7-33,35,82,86,91															
548466	.....*	D-DD	0	6	1.00	2	4.3	10,335	4.85	501	29	10,538	496	17%	-10	+2	
STUD 31-01	STATES	2-21,43															
548532	FLYING HDRSE R	KING.....*	15	15	1.07	7	4.8	10,032	4.69	471	11	9,702	464	33%	+127	+3	
10-22-59	514114	1649697	5-67														
STUD 91-13	STATES	1-91															
548767	FOREMDST	MISSDURIAN MIXTER....*	20	6	1.50	5	1.3	9,730	4.70	457	20	9,737	454	25%	+13	+1	
06-02-59	496446	868534	5-67														
STUD 31-01	STATES	2-31,43															
548773	.....*	0-DD	0	10	1.20	4	5.2	8,001	4.80	384	16	8,468	412	25%	-130	-6	
STUD 31-01	STATES	1-31															
548779	MULHOCWAY	BUTTERFAT CARILLDN.*	14	7	1.43	1	7.0	8,446	4.78	404	36	9,485	443	18%	-175	-6	
04-16-59	431323	1492941	5-67														
STUD 87-01	STATES	1-87															
549234	GAYGSO VIEW	FAMES FA8RDN.....*	13	13	1.38	8	1.9	9,615	4.22	406	18	8,827	402	39%	+296	0	
03-20-59	512974	1287512	5-67														
STUD 63-02	STATES	3-56,63,73															
549235	GAYDSO VIEW	TDP CMDMND.....*	9	789	1.31	355	3.9	10,762	4.40	474	17	9,829	463	97%	+969	+13	
08-23-59	512972	1408844	5-67														
STUD 33-03	STATES	37-23,31,32,33,35															
549290	FLYING HDRSE	MASTER-S KING....*	8	110	1.55	63	2.4	9,327	4.85	452	13	9,422	444	84%	-56	+7	
02-29-60	514114	934508	5-67														
STUD 23-09	STATES	1-23															
549335	PRESTOALE F	ARCTIC.....*	0	12	1.50	3	7.1	11,601	4.74	550	26	10,468	473	27%	+340	+22	
01-17-60	475548	1781211	5-67														
STUD 41-25	STATES	3-32,82,91															
549336	LAKE LOUISE	PATSY-S PRINCE....*	7	36	1.42	23	2.5	10,054	4.84	487	15	10,150	490	62%	+2	+1	
10-17-59	517838	950680	5-67														
STUD 91-13	STATES	3-82,91,92															
549342	BROWNIES FARMS	OPTIMIST.....*	8	22	1.18	11	4.0	11,601	4.75	551	13	10,939	525	45%	+376	+16	
07-25-59	496783	1828972	5-67														
STUD 41-25	STATES	3-35,42,92															



REGISTRATION					DAUGHTERS		NO		EFF		DAUGHTER			ADJUSTED		REPEATABILITY		PREO	
NUMBER	NAME	OF	BULL	INC	NO	REC /	OF	DAU /	HERO	MILK	AVERAGES	%	FAT	HEROMATE	AVERAGES	FAT	OF SIRE	DIFF	FAT
549511	OERRY MANOR	AUGUSTUS.....	11	50	1.26	33	2.5	10,149	4.79	486	20	9,698	459	69%	+348	+20			
C2-12-60	446983	1615756	5-67																
STUD 21-10	STATES	2-21,23																	
549588	WOODACRES EMPEPOR.....	13	57	1.30	35	3.0	10,946	4.69	513	14	10,552	509	71%	+377	+8				
09-12-59	524479	1365854	5-67																
STUD 34-01	STATES	5-22,23,32,34,47																	
549878	BOEHLES HELENA PRINCE.....	7	15	1.20	1	15.0	9,439	5.10	481	17	9,686	464	21%	-39	+4				
01-15-60	521527	1750408	5-67																
	STATES	1-48																	
550014	HOMINY HILL ACME.....	5	20	1.45	4	8.3	13,097	4.62	605	10	12,451	603	36%	+347	+7				
12-18-59	489007	1801354	5-67																
STUD 33-21	STATES	2-23,42																	
550569	COLBYS TARZAN.....	7	16	1.44	6	4.2	8,207	4.96	407	11	8,568	405	38%	-160	0				
11-10-59	539441	1666248	5-67																
	STATES	2-33,35																	
550772	WESTERN GLOW MELBAS CHAMPION..	0	5	1.00	2	3.4	12,418	4.45	552	26	12,080	586	16%	+98	-2				
09-12-59	422711	1890678	0-00																
STUD 91-11	STATES	2-84,91																	
550793	SPAR HILL GOVERNOR.....	15	29	1.24	11	7.8	11,191	4.91	549	16	12,458	601	44%	-407	-14				
01-22-60	524993	1511048	5-67																
STUD 33-03	STATES	7-13,15,23,51,52																	
550852	DEEP LAKE FLASH-S PHILOSOPHER..	14	21	1.33	15	2.2	9,043	4.72	427	9	9,228	441	50%	-87	-6				
01-20-60	475548	1290353	5-67																
STUD 41-01	STATES	1-41																	
550866	LISETER SULTAN.....	15	37	1.14	5	16.0	8,924	4.62	412	110	10,247	471	38%	-454	-20				
11-04-59	499468	1332980	5-67																
	STATES	3-23,72,85																	
550918	WESTERN GLOW PEARLS TRAVELER..	27	11	1.18	2	9.1	11,754	4.78	562	11	11,739	575	21%	+57	0				
06-08-60	535338	1072901	5-67																
	STATES	1-91																	
550919	CHEOCO JANETS KING.....	13	145	1.31	61	3.7	9,955	4.57	455	17	9,520	447	85%	+401	+8				
04-28-60	472563	1258202	5-67																
STUD 23-09	STATES	3-23,31,57																	
550942	FRANCHESTER CECILIA-S BONANZA..	12	483	1.20	192	5.5	10,195	4.63	472	22	9,513	447	94%	+674	+25				
11-08-59	496783	1204512	5-67																
STUD 31-01	STATES	16-31,32,33,56,58																	
550943	FRANCHESTER CECILIA-S MOOEL....	21	49	1.22	33	1.8	9,529	4.81	458	19	9,454	448	70%	+74	+8				
01-27-60	496783	1851126	5-67																
STUD 35-02	STATES	4-31,35,72,86																	
551096	GUERGOLD FLASH.....	7	29	1.38	5	14.7	10,559	4.84	511	8	9,320	466	35%	+441	+17				
11-29-59	475548	1635000	5-67																
STUD 91-11	STATES	2-41,42																	
551156	U OF M G MASTER.....	11	9	1.44	2	7.2	10,738	4.90	526	13	10,196	484	21%	+137	+10				
05-31-60	440484	1770287	5-67																
STUD 41-01	STATES	1-41																	
551278	WOODACRES CORONATION CHIEF....	0	17	1.41	1	17.0	11,003	4.89	538	13	11,173	515	22%	+7	+7				
01-14-60	425345	1450157	5-67																
	STATES	1-33																	
551455	PRE EMINENT HERMES EMORY.....	0	11	1.55	4	3.3	9,885	4.90	484	14	10,078	479	32%	-31	+3				
12-03-59	415425	1544653	5-67																
	STATES	1-43																	
551503	.....	5	22	1.14	1	22.0	8,734	5.01	438	52	9,410	447	22%	-141	-1				
		0-00																	
	STATES	1-23																	
551583	HOMINY HILL LYNN.....	17	78	1.29	50	2.5	10,663	4.73	504	16	10,471	499	78%	+252	+9				
01-26-60	453762	1759681	5-67																
STUD 21-10	STATES	6-12,13,14,15,16																	
551846	SHAMROCK PRECISE-S PARAGON....	32	22	1.18	7	6.2	9,773	4.86	475	37	10,115	466	40%	-97	+5				
03-10-60	496783	1199690	5-67																
STUD 87-01	STATES	4-54,82,86,87																	
551914	LAUXMONT MASTERPIECE.....	19	40	1.25	20	2.7	9,028	4.82	435	19	9,880	479	63%	-492	-24				
08-07-60	456337	1517845	5-67																
STUD 23-11	STATES	1-23																	
551920	ROSEWOOD SEA HAZEN.....	0	35	1.40	13	6.0	10,265	4.80	493	12	10,018	477	53%	+177	+11				
06-15-60	498183	1743437	5-67																
STUD 33-01	STATES	1-33																	
551921	ROSEWOOD ARISTOCRAT SEA.....	0	9	1.22	5	2.3	11,809	4.59	542	22	11,126	532	29%	+254	+6				
07-10-60	498183	1759580	5-67																
STUD 33-01	STATES	2-33,35																	
552051	.....	33	10	1.00	1	10.0	7,156	4.88	349	14	8,501	408	18%	-249	-10				
		0-00																	
	STATES	1-23																	
552135	.....	0	8	1.00	1	8.0	7,323	4.66	341	5	10,250	517	16%	-461	-27				
		0-00																	
	STATES	1-41																	
552180	RITCHIEOLE DICTATOR-S ZORO....	0	15	1.53	3	7.8	11,210	4.51	506	9	10,728	500	30%	+194	+4				
03-21-60	421539	1777242	5-67																
	STATES	1-32																	
552304	.....	0	9	1.00	2	7.2	8,228	4.86	400	17	8,897	406	19%	-131	-1				
		0-00																	
	STATES	1-33																	
552390	CLEVEPLANOS BUTTERFINGER.....	8	12	1.17	2	7.5	13,037	4.55	593	72	13,258	599	24%	+46	+3				
02-24-60	459489	1733266	5-67																
	STATES	1-93																	
552424	MAPLEWOOD ROYALIST-S BRIGAOIER..	8	80	1.44	45	3.6	9,747	4.61	449	15	9,523	446	77%	+200	+3				
12-09-53	487028	968572	5-67																
STUD 35-02	STATES	6-31,34,35,42,48																	

REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY OF SIRE SUMMARY		PRED OFF FAT	
NUMBER	NAME	OF BULL			NO	REC / OAU			MILK	%	FAT	HEROMATE NO	MILK	FAT	%	MILK	FAT
552587 06-25-60	AUER N F HERMES ROYAL.....*	415425 1401494 5-67	12	17	1.18	2	15.1	8,667	4.98	432	18	8,918	425	23%	-61	+1	
552647 05-22-60 STUD 93-02	SHAMROCK PRISCILLA-S PINNACLE.*	496783 1619287 2-63,86	19	37	1.30	2	35.0	10,676	4.68	500	55	11,367	524	25%	-118	-3	
552738 05-25-60 STUD 33-02	NORGERTS BEA OEWEY.....*	498183 1600002 1-33	0	18	1.33	8	5.2	10,309	4.66	480	16	9,609	465	38%	+284	+7	
552794 12-10-60 STUD 41-01	DULUTH S FASHIGN.....*	475543 1809161 2-41,45	10	10	1.00	8	1.4	9,106	4.77	434	10	9,364	440	32%	-75	-1	
552856 06-06-60 STUD 35-75	CLEVERLANOS GENERAL ELOORAOO.*	530378 1288698 1-93	0	7	1.71	2	4.1	15,801	4.31	681	67	12,875	588	23%	+752	+25	
552988	.....*	0-00	0	11	1.09	1	11.0	10,697	4.64	496	19	10,440	489	19%	+72	+2	
553014	.....*	5-67	8	15	1.00	3	7.5	12,366	5.10	631	19	11,790	608	28%	+233	+11	
553088 11-14-60 STUD 23-11	GREYSTONE CHIEF.....*	425345 959742 2-21,23	8	13	1.15	11	1.3	9,111	4.76	434	14	9,040	427	40%	+24	+2	
553233 11-07-59	WYNOLA BONANZA.....*	496783 1492381 1-42	17	25	1.08	1	25.0	10,145	4.68	475	7	10,413	475	22%	-30	+1	
553667 11-14-60 STUD 34-01	LYRENE MAY ROSE PRINCE.....*	526968 1762507 4-21,23,32,34	0	14	1.14	6	6.1	11,672	4.75	555	28	11,520	547	30%	+115	+6	
553765	.....*	0-00	7	14	1.00	4	4.8	10,464	4.48	469	63	8,677	401	31%	+537	+20	
553856 10-29-60 STUD 35-01	SENKAS JOLLY LUCRATIVE.....*	543694 1644407 1-35	25	8	1.63	1	8.0	8,864	5.08	450	12	9,956	470	19%	-193	-2	
553905 02-11-61 STUD 33-03	GAYOSO VIEW GOLOEN FAME.....*	496783 1408844 1-91	25	8	1.00	3	3.2	10,533	4.77	502	29	10,974	525	23%	-59	-2	
554074 01-27-61	REN LO NOBLEMANS VICTOR.....*	536891 1571468 1-33	0	13	1.15	1	13.0	10,142	4.28	434	9	10,854	462	20%	-106	-4	
554094 06-10-60 STUD 21-10	APPLEBROOK BONANZA COLONEL....*	496783 1557296 5-16,21,23,31,35	20	56	1.27	40	1.8	9,625	5.02	483	18	10,398	489	73%	-473	0	
554184 11-22-60 STUD 23-11	WYNO SULTAN.....*	543941 1797665 1-23	20	11	1.00	9	1.3	9,961	4.70	468	23	9,545	473	34%	+157	0	
554712 03-07-60	WINEBERG FARMS HI FORTUNE.....*	542710 1327704 2-91,92	8	13	1.38	2	11.1	10,665	4.54	484	32	10,477	474	23%	+73	+3	
554731 02-04-61 STUD 23-09	MCDONALD FARMS J V EMINENT....*	530291 1034863 1-23	9	36	1.19	29	1.3	8,652	4.83	418	14	9,371	446	65%	-450	-16	
554886 07-27-60	GREEN VALLEYS CICERO.....*	539273 1700233 1-42	9	11	1.00	1	11.0	10,388	4.50	467	8	9,444	430	18%	+177	+7	
555024 12-23-60 STUD 35-05	LEAFY LANE OIAMONO JIM.....*	496783 1575445 4-32,35,41,42	14	23	1.04	15	2.2	9,369	4.89	458	14	9,592	460	50%	-88	0	
555217 09-07-60 STUD 21-10	EMROY BONAPARTE.....*	496783 1656152 2-21,23	0	10	1.10	5	3.2	10,766	4.73	509	17	10,358	498	28%	+148	+5	
555249 03-10-60	EBER LEA FARMS COMET.....*	496783 1531523 1-31	0	14	1.07	1	14.0	9,545	4.85	463	16	9,945	500	20%	-62	-5	
555567 01-30-61	MANOR GENIUS.....*	516284 1858580 1-51	0	12	1.00	2	10.1	9,707	5.06	491	76	9,313	468	20%	+84	+5	
555857 10-11-60	HOLLIKNOLL BOND-S ANSON.....*	446227 945721 1-52	15	13	1.38	1	13.0	8,263	4.80	397	13	8,735	404	21%	-106	-1	
556020 01-02-61 STUD 31-02	EOSTO FARMS FLASHS STAR.....*	475548 1534347 7-31,43,51,56,58	14	69	1.00	41	2.7	10,032	4.68	469	33	9,544	448	73%	+387	+16	
556059 01-19-61	WANOAMERE PRE TRUMPETER.....*	488786 1787285 2-92,93	17	13	1.00	2	7.4	9,707	4.88	474	36	11,502	551	25%	-389	-15	
556084	.....*	0-00	17	6	1.00	1	6.0	10,817	4.80	519	51	11,432	561	15%	-56	-3	
556101	.....*	0-00	0	8	1.00	2	6.2	9,563	4.58	443	56	9,245	420	18%	+79	+4	
556159 05-17-61 STUD 23-08	MULHOCAWAY BUTTERFAT OIAMONO.*	529775 1574851 1-23	21	42	1.00	29	1.9	9,230	4.88	450	21	9,755	467	65%	-301	-8	



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED HERDMATE NO	ADJUSTED AVERAGES MILK	REPEATABILITY OF SIRE SUMMARY	PRED DIFF MILK	PRED FAT
NUMBER	NAME	OF	BULL		NO	REC / OAU			MILK	%	FAT					
556193	CLEARVIEW FARMS P SAILOR.....	17		6	1.00	4	2.0	8,547	4.84	414	10	9,850	456	21%	-254	-7
03-27-61	540546	1645648	0-00													
STUD 21-10	STATES	1-11														
556234	.....*	0		5	1.00	1	5.0	12,906	4.83	623	11	11,548	566	14%	+217	+10
	0-00															
STUD 93-10	STATES	1-93														
556379	MARFRED C COMMANDER.....*	0		10	1.30	1	10.0	10,722	4.30	461	21	11,440	531	19%	-92	-11
09-09-60	511515	1677607	5-67													
	STATES	1-56														
556406	LAKE LOUISE DENISES TRAVELER...*	28		37	1.00	32	1.2	9,066	5.06	459	18	9,846	466	64%	-455	-2
03-11-61	506918	1406705	5-67													
STUD 21-10	STATES	3-21,57,63														
556452	.....*	0		7	1.43	3	3.8	9,057	5.32	482	21	8,976	450	22%	+14	+7
	5-67															
	STATES	1-35														
556588	LAUXMONT CITATION.....*	0		16	1.00	11	2.3	10,668	4.43	473	20	10,385	470	40%	+163	+3
08-05-61	510148	1402334	5-67													
STUD 35-02	STATES	1-35														
556637	.....*	9		11	1.00	2	9.1	11,485	5.10	586	90	10,284	526	20%	+263	+14
	0-00															
STUD 35-75	STATES	1-57														
556713	.....*	13		9	1.00	2	5.8	10,122	5.08	514	26	9,542	481	21%	+129	+8
	0-00															
	STATES	2-32,52														
556765	.....*	0		5	1.00	2	3.4	13,690	4.76	652	25	14,066	678	16%	+18	0
	0-00															
STUD 33-03	STATES	2-32,33														
556807	IOACREST FAME-S PHARAOH.....*	0		17	1.65	2	8.7	9,127	4.78	436	33	9,524	436	32%	-113	0
12-19-58	521451	1371888	5-67													
	STATES	1-82														
556875	HANOVER HILL BEAU BRUMMEL.....*	6		18	1.00	15	1.4	9,651	4.90	473	18	10,306	492	46%	-247	-5
05-04-61	503099	1430899	5-67													
STUD 21-10	STATES	2-21,63														
557186	.....*	0		6	1.00	1	6.0	9,397	4.80	451	50	8,985	431	15%	+58	+3
	0-00															
	STATES	1-92														
557237	NORMANBY MOONSHINE.....*	15		34	1.15	23	2.2	9,984	4.66	465	12	9,980	487	60%	+52	-9
03-07-60	496783	1451344	5-67													
STUD 34-01	STATES	2-32,34														
557331	LOCKSHORE MASTERBLEN0 KNIGHT...*	20		10	1.00	2	8.2	10,970	4.45	488	45	11,947	579	20%	-135	-14
05-02-61	548556	1616792	5-67													
	STATES	1-34														
557348	GUERNSEY LAND 8ELLES ONWARD...*	0		5	1.00	3	2.2	9,270	4.75	440	23	10,028	453	18%	-116	-1
05-05-61	512974	1825683	0-00													
STUD 52-01	STATES	2-21,52														
557482	APPLEBROOK FAMES CORPORAL.....*	0		7	1.00	5	1.5	9,033	4.42	399	7	8,241	378	25%	+172	+4
10-26-61	512974	1557296	0-00													
STUD 61-01	STATES	2-61,63														
557510	PINE GROVE 8ELL 0AIRY80Y.....*	0		10	1.00	2	5.0	11,450	4.84	554	50	10,651	508	24%	+227	+13
12-01-60	527802	1812715	5-67													
	STATES	1-52														
557543	WOODACRES MASTER CHIEF.....*	11		35	1.00	22	2.4	10,672	4.80	512	24	10,166	501	59%	+359	+10
09-13-61	425345	1805826	5-67													
STUD 23-11	STATES	5-22,23,35,51,91														
557772	.....*	33		6	1.00	1	6.0	12,527	4.37	548	26	12,108	582	15%	+105	-2
	0-00															
	STATES	1-34														
557774	.....*	67		6	1.00	1	6.0	11,587	4.91	569	24	12,403	578	15%	-71	+1
	0-00															
	STATES	1-34														
557780	.....*	0		19	1.00	1	19.0	9,290	5.21	484	4	8,872	423	21%	+80	+12
	0-00															
	STATES	1-32														
557948	HOMINY HILL SUNLIGHT.....*	6		17	1.00	4	7.0	10,895	4.95	539	29	10,761	538	31%	+92	+3
10-28-60	422711	1864033	5-67													
	STATES	2-91,92														
557968	OEL EOEN 8CNAVENTURE.....*	21		14	1.07	10	1.7	9,482	4.65	441	12	9,552	448	39%	-11	-1
12-07-59	475548	010073635	5-67													
STUD 35-05	STATES	2-35,41														
558001	.....*	20		5	1.00	2	3.4	9,484	4.69	445	26	9,996	464	16%	-66	-2
	0-00															
	STATES	2-91,92														
558181	.....*	0		10	1.10	2	6.8	10,911	4.72	515	11	10,470	483	22%	+125	+8
	5-67															
	STATES	1-35														
558301	WESTERN GLOW 8ETTYS 8RILLIANT...*	25		12	1.25	1	12.0	8,069	4.35	351	19	9,781	437	20%	-326	-16
01-23-61	499468	2025712	5-67													
	STATES	1-91														
558327	.....*	0		5	1.00	1	5.0	10,220	4.45	455	22	9,964	454	14%	+46	0
	0-00															
	STATES	1-23														
558391	SHAMROCK 8ON PYRAMID.....*	8		36	1.00	28	1.6	10,042	4.74	476	21	9,691	467	62%	+252	+8
06-12-61	496783	1619287	5-67													
STUD 51-02	STATES	3-23,51,54														
558553	FOREMOST HAPPY ACE.....*	29		28	1.00	17	2.0	8,967	4.90	439	22	10,220	477	55%	-628	-18
12-17-61	533454	1004897	5-67													
STUD 23-05	STATES	2-23,43														

REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY OF SIRE SUMMARY		PREOIFF FAT	
NUMBER	NAME	OF BULL			NO	REC / DAU			MILK	%	FAT	HEROMATE NO	MILK	FAT	%	MILK	FAT
558634 C2-C3-61 STUO 35-02	MEADOWMARSH 475548 STATES	FLASH MASTERPIECE 963160 1-35	* 20 5-67	10	1.10	10	1.0	9,278	4.94	458	12	9,648	459	34%	-108	0	
556793	STATES	1-91	* 0 0-00	5	1.20	1	5.0	12,408	4.70	583	27	9,798	477	14%	+382	+16	
559030 01-18-61	DAK GROVE RUBERT 541066 STATES	1783320 1-41	* 20 5-67	10	1.10	2	5.0	8,467	4.77	404	17	8,562	396	25%	-37	+1	
559240	STATES	1-52	* 0 0-00	6	1.00	1	6.0	11,793	4.65	548	26	10,582	481	15%	+199	+11	
559241	STATES	1-52	* 22 0-00	9	1.00	2	7.2	10,736	4.60	494	124	9,899	489	19%	+173	+2	
559261	STATES	1-43	* 0 0-00	6	1.00	1	6.0	13,412	4.70	631	7	11,802	516	15%	+276	+18	
559351	STATES	3-16,23,51	* 17 0-00	6	1.00	3	3.0	12,562	4.63	581	14	12,773	641	19%	+28	-6	
559365	STATES	1-23	* 0 0-00	7	1.14	1	7.0	8,990	5.07	456	11	9,409	459	16%	-63	0	
559433 11-02-61 STUO 21-10	GOLDEN HARVEST 505970 STATES	MIGNOT 1408176 1-21	* 29 0-00	7	1.00	5	1.5	9,751	4.45	434	12	10,646	495	25%	-182	-12	
559460 12-11-59	HARGOODS KING 517753 STATES	PETER 1503023 1-23	* 6 5-67	16	1.06	1	16.0	12,172	4.98	606	33	11,042	555	20%	+268	+13	
559485 07-01-61 STUO 35-05	MAURANA FINANCIERS 503781 STATES	GALILANT 1179397 3-32,35,41	* 22 0-00	9	1.00	9	1.0	9,198	4.61	424	19	9,706	461	31%	-139	-10	
560363 02-19-61	MAXVALES C KING 543422 STATES	1965500 1-91	* 0 5-67	16	1.06	2	14.1	10,432	4.99	521	29	10,546	520	22%	+6	+2	
560835 05-03-62 STUO 23-09	CHEOCO EDNAZAS 496783 STATES	KING 1883849 1-23	* 0 0-00	9	1.00	8	1.2	9,294	4.64	431	11	9,291	430	30%	+5	0	
561031	STATES	1-23	* 14 0-00	8	1.00	1	8.0	9,401	4.95	465	33	9,545	470	16%	-16	0	
561120	STATES	1-55	* 0 0-00	7	1.00	2	5.2	11,303	4.95	559	50	11,670	553	18%	-20	+3	
561222 03-21-61	LEE RU BEAUTY 543671 STATES	GALLANT 1818972 1-43	* 24 5-67	17	1.18	1	17.0	7,550	4.52	341	47	7,865	353	21%	-93	-3	
561403	STATES	1-43	* 0 0-00	8	1.25	1	8.0	7,387	4.51	333	57	7,812	350	18%	-97	-3	
562476	STATES	1-32	* 10 0-00	10	1.00	1	10.0	9,313	5.11	476	8	10,391	516	18%	-168	-5	

REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED	
NUMBER	NAME	OF	BULL		NO	REC / OAU			MILK	%	FAT	HEROMATE NO	AVERAGES MILK	FAT	OF SIRE SUMMARY	DIFF MILK	FAT
959314 06-28-45	SHAW'S DAUNTLESS 668530 STATES	4	AVAILON..... 2282483 4-11,12,14,16	0	15	4.13	13	1.2	13,250	3.75	497	7	13,041	477	52%	+92	+10
1001748 11-24-46 STUO 31-01	CAPNATION CEORIC 933204 STATES	8	INSPIRATION... 2422157 20-31,32,33,74,84	8	1,707	2.21	582	7.7	13,370	3.71	496	13	13,976	501	98%	-533	-3
1038509 06-12-48 STUO 87-01	BURKGCY INKA 882933 STATES	2	DE KOL..... 2241235 27-21,42,82,83,87	2	2,219	2.51	723	7.0	14,678	3.45	507	11	13,929	492	99%	+756	+15
1042139 06-04-48 STUO 31-01	CLYDE HILL QUINO 835633 STATES	4	KING F08ES - * 2138797 5-21,31,33,41,74	4	433	2.90	222	4.8	14,039	3.48	489	11	13,828	499	95%	+245	-7
1070036 12-08-48 STUO 35-03	PABST SIR COMET 959466 STATES	3	OLIVER..... 3073680 32-21,23,35,42,74	3	2,006	2.87	483	9.7	14,092	3.72	524	11	13,204	474	98%	+859	+48
1071565 04-21-49	U N H DAUNTLESS 959314 STATES	3	PRESIDENT..... 2260016 12-11,12,14,16,21	3	133	2.79	54	7.4	15,179	3.66	556	11	14,517	545	82%	+639	+14
1074403 01-03-49 STUO 48-01	HEERSCHER SMOKY 1003344 STATES	10	BRUMMEL - TWIN. 2211866 5-47,48,73,74,85	10	407	2.16	198	3.5	12,517	3.66	458	16	12,952	470	95%	-451	-12
1090240 06-12-49 STUO 33-01	CAMPTON HILLS 923749 STATES	2	SIR TY VIC IDEAL* 2236383 9-21,32,33,35,54	2	913	3.18	457	3.8	13,823	3.69	510	12	12,767	473	98%	+975	+35
1094305 08-04-49 STUO 31-01	GRAY VIEW PANSY 959466 STATES	6	PILCT..... 2131575 36-11,21,31,74,84	6	2,387	2.62	770	7.9	14,185	3.62	513	16	14,181	511	99%	+85	+4
1112211 07-08-50 STUO 31-01	PABST REBURKE 901195 STATES	4	DUKE..... 2373582 34-13,21,23,31,74	4	1,892	2.83	788	7.2	15,340	3.51	539	19	14,395	515	99%	+1034	+26
1119514 09-30-49 STUO 33-03	HICKORY CREEK 949159 STATES	5	PROUD PRINCE.... 2272641 40-21,23,31,33,35	5	1,246	2.74	994	1.6	13,565	3.40	461	14	13,335	483	99%	+225	-21
1119686 01-09-50 STUO 23-09	SPRUCELEIGH MONOGRAM 010198871 STATES	8	RAG APPLE* 010415059 9-21,23,31,51,54	8	5,083	2.21	952	11.0	13,704	3.83	525	11	13,605	506	99%	+123	+21
1140217 10-26-50 STUO 41-25	ELMER BROOK INKA 1069792 STATES	10	HOMESTEAD LAO 2653593 2-42,47	10	149	2.48	46	7.5	12,955	3.60	467	16	13,196	476	83%	-214	-7
1140763 01-01-51 STUD 21-10	LARRIERA BURCAR 1049581 STATES	7	PABST..... 2622088 15-13,14,16,21,23	7	6,614	2.12	2455	4.7	14,442	3.70	534	19	14,720	525	99%	-140	+13
1142734 03-21-51 STUO 31-01	MEADOW SPRINGS 742938 STATES	11	FOLLOW ON LAIRO* 2482700 29-11,21,22,31,74	11	1,208	2.54	535	4.8	13,800	3.68	508	14	14,192	511	98%	-302	0
1148087 01-16-51 STUO 31-01	ROLLING KNOLL 976710 STATES	10	GOLDEN STROKE... 2630072 20-15,31,58,74,84	10	839	2.24	379	4.9	14,711	3.53	520	16	14,097	508	97%	+669	+14
1160414 09-30-51 STUO 32-02	CLYDE HILL FAVORITE 813522 STATES	6	LAO..... 2450073 11-32,33,34,43,48	6	224	2.75	85	9.6	13,126	3.77	495	13	13,397	491	87%	-231	+4
1170426 01-02-52 STUO 35-02	BRIGGEN GLOEN 892522 STATES	6	FOREMOST..... 2604970 29-11,14,16,34,35	6	2,526	2.31	738	6.7	13,214	3.82	505	14	13,854	502	99%	-583	+4
1174788 02-24-52 STUO 31-01	FRAN-WILL ADMIRAL 769170 STATES	13	LUCIFER..... 2703929 6-23,31,55,74,84	13	505	2.19	162	16.5	14,671	3.56	522	25	15,004	542	91%	-152	-12
1179574 04-12-52 STUO 33-03	CURTISS CANOY FLASHY 1056882 STATES	8	CURTISS... 2526666 38-21,23,31,35,41	8	1,113	2.56	907	1.5	12,893	3.78	488	13	13,353	485	99%	-453	+3
1182359 01-27-52 STUO 63-01	CORNMAN'S LAUXMONT 769170 STATES	5	DEAN..... 2939718 2-23,63	5	210	2.12	82	5.9	12,830	3.66	469	16	12,910	473	89%	-109	-4
1182696 12-14-51 STUO 31-01	ATBITH T V RAG 923749 STATES	2	APPLE JIM..... 2790993 17-31,33,35,72,74	2	1,254	2.41	564	5.0	14,262	3.72	530	16	13,414	496	98%	+837	+34
1183303 02-04-52 STUO 72-01	B D I DEANAUGO 761977 STATES	6	JIM..... 3241338 3-14,51,72	6	172	2.00	31	13.9	14,588	3.42	499	15	13,586	473	78%	+804	+19
1184891 08-31-52 STUO 21-10	SHAW'S GOLDEN 892522 STATES	8	CRETE UNA..... 3037363 7-11,12,13,14,16	8	535	2.01	231	5.7	13,848	3.89	539	16	13,876	521	95%	+23	+20
1189593 09-28-52 STUO 34-01	WIS SYMBOL..... 915940 STATES	10	..... 2347083 19-21,32,34,35,54	10	1,978	1.99	831	4.8	14,149	3.42	464	17	13,918	499	99%	+284	-13
1190953 04-15-52 STUO 91-11	LANGE RE-CHARITY..... 901195 STATES	1	..... 2394985 10-21,35,55,81,93	1	125	2.80	26	26.8	14,494	3.64	527	17	13,752	485	65%	+504	+27
1191921 07-06-51 STUO 35-75	HIGH MEADOW FARM 761977 STATES	8	MASTER DEAN.. 3203892 33-33,35,41,48,93	8	1,708	1.73	759	5.9	14,433	3.62	523	44	14,415	519	98%	+122	+7
1196260 12-20-52 STUO 94-01	PABST RAVEN REBE..... 909839 STATES	12	..... 2753399 1-94	12	1,000	5	3.0	9.173	3.17	291	9	10,643	366	32%	-549	-27	
1200723 02-02-53 STUO 51-02	W V U WIN KING 901316 STATES	11	ACE..... 2886687 6-23,31,51,52,54	11	239	2.20	151	2.3	12,844	3.64	467	14	12,467	457	93%	+267	+6



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREO OFF FAT	
NUMBER	NAME	OF BULL	REC / OAU		MILK	AVG			FAT	HERO	MILK	AVG	OF SIRE SUMMARY				
1202814 01-01-53 STUD 31-01	WEBER 882953	ADMIRAL 2072C29	SEGIS LAO.* 5-67	13	583	1.70	252	8.4	13,992	3.63	508	20	14,395	512	94%	-281	0
1203114 12-12-52 STUD 33-C1	GRAY 895511	VIEW 2304541	BURKE NOBEL.....* 5-67	3	1,249	2.27	641	4.0	13,567	3.61	490	14	13,201	486	98%	+344	+4
1205185 07-C6-52 STUD 93-15	LAVACRES 879145	DU VAR.....* 2354013	5-67		215	1.74	13	79.0	14,924	3.67	547	84	15,169	535	51%	-32	+9
1207770 05-C8-52 STUD 23-11	F P A 769170	ADMIRAL 2587C58	LUCIFER AUTOCRAT* 5-67	12	1,264	2.07	482	4.5	14,125	3.66	517	13	14,231	520	98%	-17	0
1210286 04-C5-53 STUD 31-01	RAG 977110	APPLE SOVEREIGN	TEXAL - TW* 5-67	7	1,855	1.81	540	7.9	14,568	3.54	516	15	14,383	518	98%	+283	+1
1210507 03-10-53 STUD 41-25	THONYMA 1086797	VOYAGEUR 2854C15	VEEOICTION....* 5-67	12	271	1.75	102	7.9	14,596	3.41	497	19	13,645	488	89%	+870	+8
1211333 04-28-52 STUD 31-C1	ADMIRAL 1110594	CCMET 2631241	21ST.....* 5-67	12	772	1.76	338	4.0	14,173	3.70	524	15	14,351	515	97%	-75	+11
1215144 01-03-53 STUD 23-11	TIOY 1104364	BURKE CYCLONE	CRICKET....* 5-67	10	165	1.90	116	5.7	14,314	3.63	519	13	13,978	509	87%	+344	+11
1215799 02-27-53 STUD 41-25	SKOKIE 1079736	GOLDEN CCMET.....	5-67	10	65	1.66	29	4.2	14,284	3.65	521	21	14,138	509	72%	+162	+10
1215995 11-25-52 STUD 31-01	ATBITH 923749	TY VIC KING JASON.....	5-67	2	671	2.25	413	2.5	13,365	3.79	506	14	13,267	494	97%	0	+12
1216567 05-19-53 STUD 91-11	BUO 1125174	FARM MASTER OUK.....	5-67	9	1,659	2.25	521	7.2	12,982	3.85	500	12	13,366	479	98%	-375	+20
1216957 09-C6-53 STUD 33-03	JESS 915940	PABST LEAOR.....	5-67	7	3,651	2.43	2169	2.7	13,973	3.68	514	15	13,828	502	99%	+191	+13
1217100 07-29-51 STUD 41-25	8EL 1072326	VESTA PAUL SIGNALMAN.....	5-67	13	109	1.83	39	7.4	12,563	3.68	462	14	13,245	480	77%	-536	-13
1217639 07-11-53 STUD 91-13	LAVACRES 1117035	OLSTY JO PEGASUS.....	5-67	9	487	1.37	67	41.2	15,481	3.76	582	68	16,035	578	80%	-227	+10
1218293 07-C1-53 STUD 61-01	LAKEFIELD 1005816	FORBES BARON.....	5-67	9	1,086	2.12	290	7.6	13,535	3.50	474	13	13,082	465	97%	+414	+7
1221226 12-04-53 STUD 35-75	SMOKY 1066870	HILL WHIRLWIND MARK.....	5-67	10	631	1.16	349	3.3	14,221	3.51	499	32	14,439	519	96%	-105	-15
1221835 09-10-53 STUD 21-10	COLLINS-CREST 1112211	REBURKE OUK.....	5-67	6	1,070	1.91	749	4.4	15,759	3.50	551	19	14,839	529	98%	+1045	+26
1222726 10-22-53 STUD 35-02	PABST 915940	LEAOR COUNT.....	5-67	6	266	2.57	183	2.6	14,220	3.36	478	14	13,468	487	94%	+713	-7
1222994 11-23-53 STUD 35-75	HAROE 1112211	FARMS OUK MARK.....	5-67	7	1,222	1.49	623	4.9	15,452	3.59	555	21	14,696	529	98%	+870	+30
1223970 11-30-53 STUD 87-01	CARNATION 1075672	MAGIC KIO - TWIN....	5-67	10	569	1.96	244	4.7	14,060	3.39	477	12	13,919	489	96%	+189	-10
1224316 11-25-53 STUD 35-02	PABST 909839	RAVEN KING.....	5-67	10	529	1.63	293	2.7	13,850	3.54	490	14	13,948	506	96%	-36	-13
1224837 12-23-53 STUD 31-01	S V F 1017797	MARIO VAR OUTCHLANO.....	5-67	9	586	2.01	292	4.5	13,921	3.63	506	15	14,017	507	96%	-28	+1
1224894 08-22-53 STUD 93-05	BURRILANE 1133486	CHIEFTAIN.....	5-67	16	101	1.71	34	5.4	14,649	3.66	536	109	15,291	553	78%	-350	-7
1225575 09-24-53 STUD 34-01	BIRCH 1029659	KNOLL COFFEYDALE PEARL..	5-67	12	369	1.54	246	2.7	14,203	3.60	511	15	13,982	498	94%	+268	+13
1225883 11-10-53 STUD 35-75	LONE 1109516	ELM DEAN WAYNE.....	5-67	15	225	1.32	132	4.6	13,547	3.53	478	30	13,859	499	89%	-231	-17
1227684 02-20-54 STUD 31-01	ECRASO 895911	BURKE DONALO.....	5-67	11	1,050	1.64	404	5.0	14,639	3.55	520	15	14,501	521	98%	+246	+2
1227714 11-C6-53 STUD 61-01	ROYAL 1169405	SUSSEX PROGRESSOR.....	5-67	9	280	2.14	154	6.9	14,016	3.57	500	14	13,885	502	90%	+166	0
1227779 01-01-53 STUD 31-02	PUGET 1175596	SOUND PRINCE.....	5-67	9	560	1.44	248	4.3	14,347	3.48	499	17	14,164	510	96%	+252	-7
1229660 01-24-54	ST CROIXCO 1171453	DE KOL ECHO.....	5-67	13	67	2.37	6	23.7	14,709	3.53	519	15	13,630	480	50%	+554	+19

REGISTRATION						DAUGHTERS		NO OF EFF		DAUGHTER			ADJUSTED		REPEATABILITY		PREO	
NUMBER	N A M E	O F	S U L L	INC %	NO	REC / DAU	OF HEROS	DAU / HERO	MILK	AVERAGES %	FAT	HERDMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY	OFF MILK	FAT	
1230109 C2-26-54 STUD 91-11	PA8ST LEADER 915940 STATES	WALK.....*	3267356 5-67 19-13,14,33,35,41	5	298	2.58	190	2.4	13,660	3.53	482	12	13,415	485	94%	+236	-2	
1230486 10-06-53 STUD 23-11	BIG ROCK BURKE 920915 STATES	TEOOY.....*	3241217 5-67 5-16,21,22,23,51	5	1,781	2.31	661	4.4	14,012	3.53	495	14	13,E14	515	99%	+241	-16	
1231051 08-02-53 STUD 34-01	THE DUKE ZELOENRUST.....*	924264 5-67 9-13,21,31,32,34	21	428	1.52	290	2.5	12,971	3.69	478	19	13,889	497	95%	-822	-16		
12334E7 C9-C3-53 STUD 48-01	NETHERLAND BURKE SKY CHIEF....	1013415 5-67 3-48,73,74	9	689	1.46	216	5.8	13,274	3.68	489	17	13,291	481	96%	-22	+7		
1234371 C1-29-54 STUD 32-02	SMOKER DICTATOR LANCELOT.....*	943293 5-67 8-32,33,34,61,63	8	124	2.28	54	6.3	13,977	3.63	508	15	13,765	506	82%	+207	+		
12345C6 02-23-54 STUD 48-01	QUIN LYNN TRIUNE PRINCE.....*	1053084 5-67 20-21,32,46,55,93	7	221	1.43	132	5.5	15,695	3.42	536	52	14,687	529	88%	+1004	+10		
1235329 01-18-54 STUD 91-11	RICH-HERO TOP NOTCH.....*	1203381 5-67 9-35,42,73,85,87	18	322	1.43	187	3.0	12,739	3.64	464	13	13,447	485	93%	-651	-19		
1235394 C3-20-54 STUD 33-03	RUSSINWOOD NOBLE LEAOER.....*	915940 5-67 39-21,23,33,34,41	9	979	2.10	736	1.8	13,376	3.68	492	16	13,771	499	98%	-346	-5		
1236721 05-26-53 STUD 93-02	ZIMMERMAN HOMESTEAD ROSTAR - T	1156775 5-67 1-93	33	1.67	4	15.3	18,668	3.54	660	48	16,689	590	39%	+902	+31			
12367E9 03-09-54 STUD 35-03	ELMER BROOK ARISTOCRAT.....*	903212 5-67 9-23,34,35,42,61	5	268	2.34	146	3.5	14,945	3.61	539	13	14,070	508	93%	+877	+31		
1237057 08-03-54 STUD 33-03	IRVINGTON PRIDE ADMIRAL.....*	1112030 5-67 42-21,23,33,35,51	6	2,441	1.32	1327	4.3	15,434	3.52	544	20	14,607	532	99%	+942	+16		
1237269 C8-10-54 STUD 35-01	WIS HEADLIGHT.....*	1192327 5-67 3-21,33,35	4	50	3.12	13	17.3	14,495	3.49	506	9	13,867	502	51%	+344	+3		
1237277 10-09-53 STUD 61-01	H S F DEAN DUKE.....*	1112211 5-67 7-14,15,21,51,61	7	412	1.50	163	5.6	13,717	3.51	482	16	13,668	4E7	93%	+75	-4		
1237666 05-26-54 STUD 35-05	CARNATION FIRST CHOICE.....*	943802 5-67 14-32,33,35,41,42	8	458	2.24	228	3.5	13,172	3.67	484	14	13,389	483	96%	-203	+1		
1238438 11-13-53 STUD 35-75	HOUOINI SPERGER M C BLOSSOM...	1070226 5-67 31-21,35,41,91,93	12	353	1.18	242	2.5	13,971	3.66	512	28	14,313	522	94%	-230	-5		
1238933 04-16-54 STUD 34-01	SANGARD FLOWER JO BURKE.....*	915811 5-67 5-32,34,47,55,63	14	1,068	1.16	470	10.0	13,443	3.79	509	19	14,238	511	96%	-678	0		
1239242 07-02-54 STUD 35-75	SEVENS BURKE SKYLARK.....*	1001822 5-67 20-21,82,87,91,93	7	786	1.45	280	7.9	16,243	3.57	580	68	15,457	553	96%	+952	+32		
1239480 03-25-54 STUD 32-02	CULVER LIEU OICTATOR LEADER...*	1145788 5-67 3-32,33,55	5	50	1.92	22	6.7	14,861	3.75	557	18	14,306	528	63%	+406	+21		
12395E9 STATES 1-41	.....*	0-00	10	10	1.00	3	3.8	11,468	3.67	421	16	12,319	455	26%	-248	-9		
1239886 08-29-54 STUD 21-10	HIGH MEADOW FARM SPAN -TWIN-..*	831870 5-67 13-13,14,16,21,23	9	5,980	1.53	215												



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY OF SIRE SUMMARY	PREOIFF	
NUMBER	NAME	OF BULL	REC / OAU		MILK	%			FAT	HEROMATE NO	MILK	AVERAGES	FAT			
1243697	LAKEFIELD	FDNO HOPE.....*	10	1,632	1.18	679	5.1	14,217	3.66	520	18	14,513	523	98%	-176	+1
12-C4-54	010212300	3232651	5-67													
STUO	31-01	STATES	37-21,23,31,48,74													
1244009	LAVACRES	VAR PEPPER.....*	7	271	1.00	195	1.9	15,722	3.49	548	38	14,973	542	92%	+840	+11
11-17-54	879145	3399995	5-67													
STUO	35-75	STATES	30-21,23,32,55,93													
1244845	GRAY	VIEW SKYLINER.....*	6	6,546	1.93	3062	4.3	15,071	3.53	532	18	14,388	521	99%	+783	+14
09-15-54	1189593	3552652	5-67													
STUO	33-03	STATES	48-21,23,31,33,35													
1245671	GLENMORE	REGENT.....*	0	19	1.99	11	2.2	13,469	3.77	508	12	13,353	482	49%	+57	+13
11-09-54	1143067	3009623	5-67													
STUO	35-01	STATES	2-35,41													
1246183	ROSAFE	CALIBAN.....*	12	1,242	2.07	500	6.3	13,977	3.37	471	21	14,007	499	98%	+34	-25
09-02-53	010121004	010813661	5-67													
STUO	31-02	STATES	20-31,32,43,55,56													
1246729	JUNDALE	RAVEN.....*	11	1,054	2.03	504	4.8	12,385	3.88	480	13	13,130	478	98%	-749	+1
02-09-54	909839	2473024	5-67													
STUO	41-25	STATES	7-35,41,42,45,47													
1247008	ALBRECHT	TRADEMARK BURKE LAO..	12	214	1.36	135	6.8	12,981	3.71	482	12	13,469	480	86%	-410	+1
09-23-54	1195221	3243903	5-67													
STUO	41-01	STATES	4-41,42,45,46													
1247009	ALBRECHT	TRADEMARK.....*	10	366	1.59	247	3.9	13,266	3.55	471	12	13,576	481	94%	-269	-9
09-24-54	1195221	2925648	5-67													
STUO	41-01	STATES	4-41,42,45,46													
1248337	CROSWELL	FEMCO PREMIER.....*	0	11	1.27	1	11.0	14,125	3.43	485	5	13,324	456	20%	+156	+5
09-29-54	969938	3699810	5-67													
		STATES	1-41													
1249795	CARNATION	MAOCAP MAGISTRATE...*	12	767	1.73	355	4.0	13,602	3.53	480	15	13,791	499	97%	-140	-16
11-13-54	1152252	3339580	5-67													
STUO	35-05	STATES	14-33,35,41,42,91													
1251271	RAINBOW	OX BOW 12TH.....*	4	506	1.84	159	8.1	14,799	3.55	525	15	14,387	515	94%	+483	+12
10-23-54	1175533	2460920	5-67													
STUO	91-13	STATES	5-41,45,82,91,92													
1252142	DISTINCTION	LAODIE COLONY.....*	11	222												

REGISTRATION					DAUGHTERS		NO. OF		EFF.		DAUGHTER			ADJUSTED		REPEATABILITY		PRED.	
NUMBER	NAME	DF	SULL	INC %	NO	REC / DAU	HERDS	DAU / HERD	MILK	AVERAGES %	FAT	HERDMATE NO	MILK	AVERAGES FAT	DF SIRE SUMMARY	DIFF MILK	FAT		
1264701 11-05-55	SPENCERCREST 1082851 STATES	KING	JESS.....* 2022523 1-23	18 5-67	13	2.85	3	9.4	14,168	3.83	543	11	14,027	527	29%	+59	+6		
1265166 11-25-55	RDCK RIVER COUNT.....* 1216567 STATES	RIVER	COUNT.....* 2891773 18-23,33,34,35,42	13 5-67	671	1.41	357	2.8	13,160	3.75	494	16	13,834	504	97%	-605	-7		
1265289 01-02-55	ROYAL HOPE BLUEBIRD.....* 010212300 STATES	ROYAL	HOPE BLUEBIRD.....* 010628438 2-64,65	9 5-67	42	1.64	8	23.4	12,277	3.47	426	9	13,900	467	36%	-568	-15		
1265694 02-23-55	GLENELG HONEYMAN DON.....* 1210938 STATES	GLENELG	HONEYMAN DON.....* 3326003 8-33,41,42,43,47	10 5-67	220	1.60	121	5.6	14,199	3.48	494	21	13,551	492	88%	+588	+2		
1267271 07-07-55	SKOKIE SENSATION.....* 1113263 STATES	SKOKIE	SENSATION.....* 2314452 9-21,32,34,35,63	13 5-67	1,194	1.20	551	3.8	15,156	3.49	529	18	14,150	507	98%	+1061	+23		
1268001 03-21-55	RAY-LDU SOVEREIGN BRIOGER.....* 1079321 STATES	RAY-LDU	SOVEREIGN BRIOGER.....* 2531822 4-21,32,43,61	14 5-67	284	1.48	113	6.2	13,826	3.46	479	17	13,906	490	90%	-22	-9		
1268087 10-28-55	S. V. F. SOVEREIGN DUPLICATOR.....* 1007680 STATES	S. V. F.	SOVEREIGN DUPLICATOR.....* 3043874 4-21,22,23,50	4 5-67	423	1.99	153	7.6	14,242	3.69	525	30	13,974	515	93%	+307	+12		
1268164 01-02-56	KAHL TRIUNE LEADER.....* 915940 STATES	KAHL	TRIUNE LEADER.....* 2976376 8-23,35,51,52,54	9 5-67	114	1.42	77	2.1	13,238	3.70	490	16	13,689	503	84%	-350	-9		
1268290 11-30-55	VALLA VISTA MORRIS TRIUNE.....* 886182 STATES	VALLA VISTA	MORRIS TRIUNE.....* 3693547 5-47,48,63,73,74	12 5-67	373	1.68	177	3.8	12,589	3.82	481	18	13,524	491	94%	-862	-8		
1268294 11-08-55	UNH SCHOOLMASTER ECHO.....* 1181068 STATES	UNH	SCHOOLMASTER ECHO.....* 3768479 36-13,21,23,33,34	8 5-67	399	1.12	288	2.4	15,059	3.57	537	18	14,340	523	95%	+772	+17		
1269391 12-05-55	RYANCREST GOLDEN REWARD.....* 1151349 STATES	RYANCREST	GOLDEN REWARD.....* 2330519 11-16,22,51,52,54	10 5-67	206	1.37	124	4.1	14,135	3.68	520	18	14,457	545	88%	-186	-16		
1269459 09-07-55	SKDKIE GOLOEN LEADER.....* 1079736 STATES	SKDKIE	GOLOEN LEADER.....* 2724579 3-35,48,73	9 5-67	85	2.09	38	23.3	14,103	3.58	505	12	14,789	515	55%	-298	-3		
1269479 01-23-56	RDCK RIVER MASTER GEWINA.....* 1216567 STATES	RDCK RIVER	MASTER GEWINA.....* 3160755 6-23,33,34,35,74	8 5-67	298	1.99	197	2.2	13,415	3.84	515	14	13,532	493	94%	-92	+21		
1269968 01-12-56	BUTTERNUT CREEK DEAN ADAM.....* 846425 STATES	BUTTERNUT CREEK	DEAN ADAM.....* 3346109 3-13,21,23	8 5-67	255	1.48	220	1.3	14,296	3.55	508	20	14,701	525	93%	-251	-11		
1270830 07-02-55	SHANGHIGH DOUBLE EXEC TOPPER...* 1090258 STATES	SHANGHIGH	DOUBLE EXEC TOPPER...* 3461680 2-31,84	0 5-67	25	1.48	14	3.1	14,630	3.68	539	20	15,070	560	51%	-137	-6		
1270932 02-12-56	W & G D-M LUCIFER DEAN LINDOLN* 769170 STATES	W & G D-M	LUCIFER DEAN LINDOLN* 2958974 3-13,21,23	6 5-67	135	2.40	122	1.2	14,727	3.51	517	20	14,669	524	89%	+169	-2		
1271019 12-21-55	MAVIEW DUNLOGGIN DIRECT.....* 972500 STATES	MAVIEW	DUNLOGGIN DIRECT.....* 2978190 5-14,21,23,41,51	6 5-67	1,833	2.07	668	4.8	14,486	3.66	530	16	14,172	529	99%	+390	+5		
1271122 03-06-55	THONYMA ORMSBY LAD.....* 1196645 STATES	THONYMA	ORMSBY LAD.....* 3417592 6-43,47,48,73,84	10 5-67	1,850	1.94	349	10.8	12,771	3.70	472	15	13,215	478	98%	-448	-6		
1271557 01-30-56	SRG ADVANCER THREE.....* 1203158 STATES	SRG	ADVANCER THREE.....* 3872416 3-72,74,93	31 5-67	203	3	27.1	16,182	3.53	572	50	14,945	547	29%	+406	+9			
1272013 12-25-55	STONEFIELD DEAN LUCIFER XMAS...* 769170 STATES	STONEFIELD	DEAN LUCIFER XMAS...* 2722255 7-13,14,16,21,23	5 5-67	858	1.66	660	1.5	15,623	3.46	540	20	14,913	533	98%	+847	+11		
1272896 10-04-54	EASTHAVEN DEAN SPARKER.....* 1081684 STATES	EASTHAVEN	DEAN SPARKER.....* 2858779 8-21,23,32,34,93	11 5-67	103	1.83	45	19.9	16,433	3.82	628	34	16,386	604	61%	+214	+22		
1273237 01-10-56	PRDGRESSOR SUSSEX HAPPY.....* 1169405 STATES	PRDGRESSOR	SUSSEX HAPPY.....* 3191592 4-13,21,22,51	7 5-67	73	1.84	34	20.3	16,404	3.49	573	20	15,681	570	53%	+509	+6		
1273756 05-15-55	DS8DRNDALE ERIC DRMSBY F08ES..* 934577 STATES	DS8DRNDALE	ERIC DRMSBY F08ES..* 3183213 8-13,14,15,16,21	8 5-67	2,138	1.92	635	7.5	15,328	3.76	577	18	14,476	536	99%	+949	+45		
1274153 01-11-56	RAMACD BURKE HOMESTEAD KING...* 1120027 STATES	RAMACD BURKE	HOMESTEAD KING...* 2580406 11-33,35,41,42,51	9 5-67	145	2.41	77	4.0	13,403	3.54	475	15	13,743	496	67%	-261	-16		
1274684 11-25-55	SKOKIE CREATION MISTER.....* 1126982 STATES	SKOKIE	CREATION MISTER.....* 2760877 40-21,23,32,33,34	9 5-67	1,052	1.92	746	2.2	13,800	3.54	489	16	14,034	510	98%	-162	-17		
1274838 12-27-55	KAYTEE RAG APPLE SENSATION....* 1024453 STATES	KAYTEE RAG	APPLE SENSATION....* 2177529 3-21,35,91	7 5-67	56	1.86	43	1.6	15,147	3.55	537	16	14,490	525	76%	+585	+12		
1274923 09-20-55	SEQUOIA JO STAR.....* 1077883 STATES	SEQUOIA	JO STAR.....* 2568658 30-31,43,55,56,93	16 5-67	906	1.25	341	9.3	14,254	3.54	505	32	15,097	540	96%	-639	-27		
1275604 02-28-56	LOMAOA MASTERPIECE GLEN.....* 929962 STATES	LOMAOA	MASTERPIECE GLEN.....* 3959005 6-13,14,16,21,23	8 5-67	564	1.45	432	1.6	14,789	3.55	525	20	14,800	527	97%	+129	+2		
1276344 03-31-56	UNH QUARTERMASTER.....* 1071565 STATES	UNH	QUARTERMASTER.....* 2726492 2-33,61	0 5-67	502	2.11	187	4.1	14,263	3.71	529	14	13,535	495	96%	+713	+33		

REGISTRATION				INC %	DAUGHTERS			NO OF HERDS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY				
NUMBER	NAME	DF	BULL		NO	REC / OAU	MILK			%	FAT	HERDMATE ND	MILK	AVERAGES FAT	OF SIRE SUMMARY	PRED DIFF MILK	FAT		
1276654	CHAMBRIC A B C.....*	01-20-56	010198998	3205581	5-67	9	400	1.08	284	2.8	15,202	3.57	542	23	15,073	544	94%	+283	+3
STUD 33-03 STATES 34-21,23,31,35,93																			
1277213	PRINCE X. GYPSIE LEADER.....	11-24-55	1195221	3774745	5-67	9	1,044	1.27	520	3.4	13,760	3.88	534	20	14,076	516	98%	-237	+20
STUD 35-75 STATES 25-23,35,41,52,93																			
1277337	EDNACHESTER GLENAFTON DEAN.....*	11-28-55	1241458	3289200	5-67	8	67	1.72	34	11.0	14,574	3.84	560	18	14,993	574	61%	-155	-2
STUD 21-10 STATES 4-12,13,52,55																			
1277493	GLENAFTON JESTER.....*	01-03-55	010239301	010800559	5-67	12	410	1.86	183	3.8	14,466	3.57	517	15	14,089	513	95%	+426	+6
STUD 35-03 STATES 13-33,35,41,61,74																			
1277613	E M C IDEAL LEADER.....*	01-02-56	1150470	3738604	5-67	4	38	1.26	9	15.7	16,113	3.43	553	40	16,238	562	39%	+64	0
STUD 93-10 STATES 2-86,93																			
1277619	CARNATION MADCAP GRANDIER.....	01-04-56	1152252	3339580	5-67	5	1,521	1.85	430	7.6	14,797	3.50	518	15	14,409	515	98%	+483	+6
STUD 91-13 STATES 11-42,81,82,91,92																			
1277653	CHAIRALANE R. A. TRANSMITTER..	11-18-55	1024453	2909445	5-67	9	75	2.00	33	7.1	14,449	3.72	538	35	14,229	532	70%	+216	+7
STUD 35-75 STATES 11-21,32,41,91,93																			
1278455	CARNATION MARAUDER.....*	12-21-55	837650	3526110	5-67	0	13	1.23	9	1.7	15,471	3.83	592	17	15,299	550	39%	+142	+19
STUD 91-10 STATES 5-31,32,35,42,91																			
1278644	SIR SEELEY ADANTHA GENE.....	03-27-56	846425	3304894	5-67	7	616	1.42	480	1.7	15,671	3.45	541	20	14,845	531	97%	+944	+14
STUD 21-10 STATES 4-13,21,23,55																			
1278703	B D I PABAUGO ACTDR.....	10-22-55	975138	3258875	5-67		20	1.50	4	9.8	13,080	3.63	475	6	13,582	484	34%	-160	-2
STUD 96-C1 STATES 1-96																			
1279190	WILLARDS HOMESTEAD REVELATION.*	11-26-54	1001768	3265865	5-67	2	95	2.73	15	45.8	13,028	3.55	462	16	13,381	467	47%	-162	-2
STUD 91-11 STATES 6-23,33,35,42,72																			
1279641	CARNATION MADCAP INTRIGER.....*	01-22-56	1152252	3700611	5-67	6	391	2.63	191	3.9	14,078	3.50	493	15	13,806	500	95%	+301	-4
STUD 35-03 STATES 13-33,34,35,63,91																			
1279868	HOWACRES HOMESTEAD BARON.....*	02-06-56	1038118	3277789	5-67	5	69	1.90	33	7.8	16,221	3.72	603	19	15,203	564	68%	+815	+32
STUD 72-01 STATES 8-11,13,14,35,72																			
1280018	SKOKIE INKA PERFECTION.....*	05-18-56	1207280	3032112	5-67	0	26	2.77	6	17.1	14,976</								



REGISTRATION					DAUGHTERS		ND	EFF	DAUGHTER			ADJUSTED		REPEATABILITY		PRED		
NUMBER	NAME	OF	SULL	INC	%	NO	REC / DAU	DF HERDS	DAU / HERD	MILK	AVERAGES %	FAT	HERDMATE NO	MILK	AVERAGES FAT	DF SIRE SUMMARY	DIFF MILK	FAT
1283917 07-29-56 STUD 33-03	TIDY BUKKE FORTY-NINER.....*	8	196645 3948519 5-67	7	1,306	1.23	637	3.1	15,558	3.38	526	20	14,729	529	98%	+949	+1	
1284364 08-23-55 STUD 35-02	LANGE RE-CHARITY DEAN WALKER..*	13	1190953 3587268 5-67	13	193	1.76	117	4.8	14,323	3.58	513	14	13,923	507	88%	+401	+7	
1264716 05-07-56 STUD 31-02	SLEEPY HDLLDW R A KING.....*	7	1191720 3365400 5-67	7	166	1.22	84	6.7	15,731	3.48	547	34	15,326	558	83%	+497	-2	
1284782 01-29-56 STUD 93-05	CLOVER CREST POSCH GEM.....*	9	1233448 2760779 5-67	9	101	1.21	29	12.8	15,581	3.84	598	74	16,578	605	66%	-446	+3	
1284868 04-08-56 STUD 35-75	KREMEIER LDCHINVAR DRMSBY DAN.		1161428 3011359 5-67		37	2.65	2	19.1	14,866	3.56	529	11	15,237	545	41%	-74	-3	
1285709 09-02-56 STUD 21-10	SPRUCE LAWN HIDE.....*	5	929962 2778214 5-67	5	158	2.74	144	1.2	14,779	3.52	520	21	14,346	511	91%	+485	+10	
1285951 05-14-56 STUD 35-75	SHAWS CRETE DUNLOGGIN FAYNE...*	9	972500 3264850 5-67	9	330	1.21	211	3.4	14,532	3.74	543	27	14,877	537	93%	-178	+10	
1287089 10-19-56 STUD 23-11	D8DRNDALE KING INKA F08ES.....*	8	934577 2475925 5-67	8	1,510	2.14	516	5.1	14,225	3.70	527	13	14,166	517	98%	+138	+13	
1287090 09-15-56 STUD 41-25	D8DRNDALE SIR F08ES IVANHDE..	15	1189870 3539319 5-67	15	1,076	1.28	441	4.6	12,885	3.87	499	14	13,470	498	97%	-558	+2	
1287490 09-13-56 STUD 63-02	SUNNYSIDE LEADER LAD.....*	9	915940 3187309 5-67	9	105	1.51	19	29.4	13,784	3.69	509	29	13,711	497	53%	+58	+7	
1288108 08-06-55 STUD 35-05	FRASEA MARK NETHERLAND.....*	7	010153547 010567507 5-67	7	95	1.57	56	5.7	13,367	3.50	468	19	13,884	500	76%	-352	-22	
1288125 10-26-56 STUD 55-01	SISSON FARMS ODU8LE DEAN.....*	11	1049547 3439839 5-67	11	66	1.98	14	7.9	16,059	3.51	563	36	15,833	569	66%	+314	+1	
1288194 01-05-56 STUD 21-10	FAIRBRDDK LUCIFER ROAMER.....*	7	1102436 3796343 5-67	7	832	2.00	361	4.6	14,444	3.95	570	19	14,529	535	97%	+31	+39	
1288309 10-29-56 STUD 41-25	WIS PRINCE SYMBCL.....*	14	1189593 3262642 5-67	14	173	1.49	80	4.4	13,984	3.50	469	15	13,752	489	87%	+235	0	
1288534 10-17-56 STUD 35-75	HWARD FARM SIR RD8URKE T V....*	0	1024453 3870239 5-67	0	26	2.62	7	15.6	14,114	4.02	568	10	13,710	529	36%	+157	+15	
1288605 11-03-56 STUD 41-25	SKCKIE G CREATION CROWN - TWIN*	8	1126982 3684071 5-67	8	19	2.47	5	8.3	14,131	3.50	495	10	14,160	496	38%	+20	0	
1288610 10-26-56 STUD 33-03	SKOKIE DUKE.....*	10	1249424 3425213 5-67	10	174	1.11	128	2.7	15,530	3.54	550	25	14,978	546	88%	+626	+9	
1288721 07-06-56 STUD 34-01	CARNATION EMBLEM COMER.....*	14	1237664 3701770 5-67	14	189	1.46	109	14.0	13,939	3.49	487	21	13,940	495	78%	+45	-5	
1288851 10-11-51 STUD 33-01	MASTER CHALLENGER BONNIE PLACE*	2	010211378 010695011 5-67	2	2,154	2.39	718	6.1	12,769	3.75	479	14	13,391	496	99%	-610	-15	
1289173 01-16-56 STUD 23-09	SEQUOIA IOEAL JO.....*	9	1013415 3493825 5-67	9	1,636	1.30	683	4.3	14,101	3.64	513	19	14,333	540	98%	-131	-20	
1289574 10-15-56 STUD 41-01	NETHERLAND TIOY SKYHAWK.....*	10	1233487 3921826 5-67	10	624	1.19	325	4.8	13,582	3.60	489	13	13,715	492	95%	-92	-1	
1289586 11-13-55 STUD 35-05	BRAUNS 8LGOM.....*	7	1228045 2489892 5-67	7	96	2.08	72	1.6	13,781	3.56	490	13	13,490	469	85%	+258	+1	
1289588 11-30-55 STUD 93-05	BRAUNS LEADER.....*	3	915940 3188644 5-67	3	324	1.50	44	29.0	15,571	3.72	580	155	16,616	594	78%	-563	-2	
1289589 09-29-55 STUD 41-01	BRAUNS REMER COMET.....*	10	959466 3518653 5-67	10	420	1.46	249	5.3	13,855	3.64	505	12	13,394	483	93%	+434	+20	
1290151 10-24-55 STUD 51-02	SEGIS SPRING FARM SURPRISE.....*	4	010212300 010651164 5-67	4	40	2.23	7	21.8	13,466	3.68	496	17	13,162	486	39%	+111	+4	
1290181 11-12-56 STUD 34-01	OSBORNDAL E F08ES KNIGHT.....*	10	934577 3212451 5-67	10	68	1.97	40	9.2	14,623	3.67	537	17	13,914	507	65%	+495	+21	
1290182 12-20-56 STUD 34-01	OSBORNDAL E AOMIRAL LUCIFER.....*	18	769170 4227925 5-67	18	273	1.17	182	2.9	14,449	3.61	521	17	14,665	527	92%	-77	-1	
1290716 10-12-56 STUD 21-10	HGWACRES HOMESTEAD 8RUCE LAD..	9	1038118 3696576 5-67	9	271	2.29	169	2.2	14,718	3.95	582	19	14,063	525	94%	+681	+57	
1290914 12-09-56 STUD 33-01	ORMSBY ANTHONY SUZONE.....*	1	1122159 2628365 5-67	1	129	2.01	92	1.7	14,155	3.55	503	18	13,651	507	88%	+469	-1	



REGISTRATION				INC %	DAUGHTERS		NO OF HERDS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED DIFF	FAT
NUMBER	NAME	OF BULL	NO		REC / DAU	MILK			%	FAT	HERDMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY			
1250915 12-16-56 STUD 33-01	DELLA ROMULUS 1237954 STATES	8EACON..... 2332392 3-33,63,74	5-67	338	1.33	202	2.4	12,635	3.88	490	16	13,558	500	94%	-846	-7	
1291028 02-26-56 STUD 33-03	HARDEN FARMS 1222589 STATES	AAGGIE KEYSTONE..* 2396981 39-21,23,35,41,52	5-67	14	1,141	1.05	699	3.4	14,095	3.48	491	19	14,566	527	98%	-341	-30
1291498 12-17-56 STUD 35-75	LAVACRES DELLA 1026263 STATES	DINAH PAT..... 2854863 20-21,23,46,55,93	5-67	10	126	1.41	59	6.4	17,357	3.42	594	28	16,096	565	79%	+1219	+29
1291499 12-30-56 STUD 41-25	LAVACRES CHAL 1253140 STATES	PRAIRIE..... 2959915 11-35,41,42,43,47	5-67	11	452	1.28	230	8.5	13,956	3.68	513	17	14,250	528	92%	-187	-9
1291783 03-08-56 STUD 41-01	DOLVIC ORMSBY 1024453 STATES	FO8ES RO8URKE... 305C773 4-35,41,45,46	5-67	10	128	1.27	96	2.1	13,514	3.68	497	13	13,928	506	85%	-303	-5
1291784 03-31-56 STUD 41-01	DOLVIC RO8URKE 1024453 STATES	8EETS 8RUCE..... 3609497 5-35,41,42,45,46	5-67	3	100	1.44	75	2.2	14,345	3.69	529	14	13,703	500	82%	+555	+25
1292145 11-09-56 STUD 87-01	CGOUNTRY BUTTER 1257762 STATES	8GY DIGNITY - T 2560346 3-92,83,87	5-67	9	178	1.77	89	3.9	13,027	3.81	496	13	14,201	497	88%	-960	0
1292242 08-13-56 STUD 87-01	8ESSIE 8 F 8U88LER 1202814 STATES	DUKE..... 3342774 5-82,83,87,91,92	5-67	8	188	1.46	104	3.3	13,879	3.65	507	14	14,208	502	89%	-216	+6
1292458 01-05-57 STUD 91-11	ROCKCREST LEADER..... 915940 STATES	..... 2675146 3-42,43,73	5-67	14	196	1.64	121	2.8	13,107	3.52	462	13	13,316	478	90%	-191	-14
1292482 09-20-56 STUD 87-01	SANMARGALE WIS 1068870 STATES	SIR TIDY.....* 2475596 1-41	5-67	2	44	2.41	2	42.0	14,898	3.53	526	15	14,069	520	29%	+263	+3
1292699 01-13-57 STUD 91-11	HAYSSEN FGND MASTER..... 1250992 STATES	..... 3925766 4-31,35,41,46	5-67	0	41	1.80	10	14.9	14,329	3.70	530	24	14,470	523	45%	-13	+5
1292776 05-22-56 STUD 41-25	ROSAFE SHAMROCK JULIAN - TWIN.* 010198998 STATES	..... 010925460 6-41,42,43,47,48	5-67	13	56	1.30	26	5.3	13,210	3.44	455	22	13,576	490	65%	-223	-22
1292829 01-28-56 STUD 35-75	CLIFFVIEW ASPIRANT REGAL..... 984799 STATES	..... 2762024 4-32,46,74,93	5-67	8	55	2.11	17	14.4	16,228	3.40	551	35	15,323	528	54%	+594	+15
1292880 07-03-56 STUD 33-03	MOOSEHEART PIONEER.....* 1024453 STATES	..... 2811265 37-21,23,33,35,41	5-67	8	783	1.20	543	5.9	14,554	3.71	540	19	14,802	539	96%	-98	+6
1292915 11-29-56 STUD 72-01	8ESSIE 8. F. GYPSIE LEADER.....* 915940 STATES	..... 2937893 6-12,13,14,16,21	5-67	6	78	2.78	42	3.8	15,232	3.80	579	20	14,991	569	79%	+321	+14
1293263 10-15-56 STUD 91-13	MIDLAND BURKE 961535 STATES	ADRIAN MAGIC..... 3703972 3-91,92,93	5-67	5	176	1.64	73	5.0	14,672	3.60	528	18	14,820	529	87%	0	+3
1293560 05-17-55 STUD 33-01	MAYERS MAJESTY DUKE.....* 1223977 STATES	..... 3309700 37-21,23,32,33,35	5-67	2	2,724	1.92	845	9.3	13,333	3.76	501	16	13,956	515	99%	-555	-10
1294703 03-21-56 STUD 33-03	WIL-O-WHIT RO8URKE MODEL.....* 1024453 STATES	..... 3140596 19-21,23,32,41,87	5-67	11	62	1.42	49	2.3	15,562	3.51	546	13	14,850	527	74%	+637	+17
1294825 01-12-57 STUD 33-01	AUDIC ANTHONY 1122159 STATES	LUCKY.....* 3259695 4-32,33,35,56	5-67	5	77	1.73	63	1.4	13,070	3.83	501	13	13,388	490	81%	-254	+9
1294834 07-30-56 STUD 91-01	BAILAND MADCAP 1152252 STATES	BUTTER 8CY.....* 2842234 5-33,35,81,82,91	5-67	9	63	1.70	32	7.5	14,831	3.47	515	25	15,198	545	65%	-118	-15
1295523 08-01-56 STUD 93-10	PINEYHILL SULTAN.....* 010198998 STATES	..... 3235970 6-21,22,23,50,93	5-67	16	54	1.56	22	14.3	16,923	3.61	611	26	16,174	577	51%	+529	+22
1295607 01-13-57 STUD 93-05	ORMSBY BURKE MOSE MERCURY.....* 1196645 STATES	..... 3836385 1-35	5-67	0	19	2.79	5	12.0	13,503	3.55	480	8	13,436	485	34%	+25	-1
1296266 12-14-56 STUD 33-02	PA8ST SENTRY..... 915940 STATES	..... 3149303 5-33,35,61,63,64	5-67	0	430	1.84	175	4.4	13,438	3.76	505	16	13,524	495	95%	-65	+10
1296576 01-05-57 STUD 33-03	FREE8AER REFLECTION SOVEREIGN.* 010198998 STATES	..... 3694555 33-16,21,23,33,41	5-67	13	411	1.10	309	2.1	13,512	3.66	498	18	14,499	523	95%	-732	-19
1297075 02-20-57 STUD 63-01	HALLCREST FOLLOW ON LEADER.....* 1142734 STATES	..... 2681572 4-21,23,63,65	5-67	10	88	1.58	40	3.9	13,541	3.62	490	15	13,435	487	78%	+89	+2
1297169 02-01-57 STUD 31-02	PAVENGLN REX TRIUNE.....* 915940 STATES	..... 3122167 27-31,32,41,43,56	5-67	7	1,096	1.48	449	4.6	14,322	3.60	516	17	14,474	516	98%	-38	+3
1297401 02-08-57 STUD 72-01	SHADY MEADOW 1050258 STATES	SHANGHIGH ORMSBY.* 3671396 4-23,31,32,55	5-67	13	64	1.88	16	7.8	14,165	3.61	512	25	14,713	528	66%	-273	-7
1297472 12-17-56 STUD 91-13	RINCON MAGIC DAN.....* 1138451 STATES	..... 3686795 2-91,93	5-67		44	1.34	6	34.6	18,060	3.64	658	54	18,141	623	29%	+115	+14
1297600 11-25-56 STUD 93-01	YOKOHL RAVEN COUNT..... 1113350 STATES	..... 3335572 1-93	5-67	9	69	1.13	21	8.2	16,506	3.48	575	88	16,065	575	64%	+453	+6

REGISTRATION					INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED HEROMATE NO	AVERAGES MILK	REPEATABILITY OF SIRE SUMMARY	PRED OFF MILK	FAT
NUMBER	NAME	OF	SULL	NO		REC / OAU	MILK			%	FAT						
1298266	IDA-ROYAL HAZELWOOD	MAGICIAN..*	6	40	1.73	15	13.9	14,106	3.57	504	13	14,268	515	45%	-31	-3	
12-04-56	1223970	3413920	5-67														
STUD 87-01	STATES	3-82,83,87															
1298309	GLEN RUN COUNT	MAGIC WALKER...	9	62	1.35	10	15.4	17,207	3.57	615	54	17,027	606	52%	+286	+11	
10-23-55	1138451	2598194	5-67														
STUD 91-13	STATES	2-92,93															
1298372	SKOKIE SENSATION	CHIEF.....*	5	24	2.54	3	12.0	16,514	3.47	573	19	14,486	529	38%	+811	+18	
C2-01-57	1267271	2872216	5-67														
STUD 35-75	STATES	1-23															
1298430	WOODBOURNE INKA	REFLECTOR.....*	9	2,249	2.01	898	7.9	14,373	3.69	530	20	14,755	546	99%	-238	-9	
01-04-57	010198998	2734741	5-67														
STUD 33-03	STATES	34-21,22,23,33,35															
1298831	METCALFS SOVEREIGN	REFLECTOR..*	8	851	1.17	394	4.0	14,478	3.52	510	18	14,671	531	97%	-59	-1	
11-22-56	010198998	3994409	5-67														
STUD 31-01	STATES	21-13,14,31,74,84															
1298858	TALLCORN PA8ST	LEADER.....*	8	319	2.03	179	3.7	12,999	3.68	479	14	13,695	495	94%	-618	-13	
C1-04-56	915940	3308338	5-67														
STUD 91-11	STATES	16-34,35,41,42,61															
1299222	F S C IOEAL	CHIEF 8URK JO.....*	0	24	1.67	4	18.5	18,072	3.67	663	13	16,042	588	29%	+660	+24	
11-01-56	1113350	3797803	5-67														
STUD 93-05	STATES	1-93															
1299241	WETONA A. 8. C.	JUNIOR CLOYOAL*	12	64	2.28	31	7.9	13,719	3.64	500	19	14,699	536	67%	-565	-20	
11-04-56	010198998	2734739	5-67														
STUD 31-02	STATES	6-12,13,21,23,31															
1300012	TIDY BURKE IRON	LIEGE.....*	9	214	1.41	81	14.7	15,122	3.45	521	26	14,784	533	80%	+383	-5	
C1-C2-57	1196645	3825590	5-67														
STUD 41-25	STATES	5-35,41,42,43,47															
1300014	TIOY BURKE JERRY	.....*	7	1,255	2.05	475	5.3	14,851	3.54	525	15	14,101	527	98%	+807	+2	
01-21-57	1196645	3883576	5-67														
STUD 23-09	STATES	7-21,23,31,51,54															
1301172	8. O. I. IMP8UREMP	ACE.....*	7	511	2.11	263	3.9	14,865	3.76	559	21	14,607	541	96%	+367	+22	
03-06-57	956081	3835914	5-67														
STUD 21-10	STATES	7-13,14,15,16,21															
1301486	MAROIC ROBURKE	F08ES - TWIN...	12														

REGISTRATION				INC %	DAUGHTERS		NO OF DAU / HEROS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED DIFF MILK	FAT
NUMBER	NAME	DF	BULL		NO	REC /			MILK	%	FAT	HERDMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY		
1305674	NACHES C B NIXDN.....	3	92	1.50	21	28.7	16,272	3.57	581	277	16,288	587	51%	+142	+2		
11-26-56	1156620	3612798	5-67														
STUD 93-05	STATES	2-82,93															
1306247	JERLAND COMET HCESLY VAR.....	15	14	2.64	3	10.4	16,360	3.67	601	18	14,067	518	28%	+671	+24		
11-14-55	1056438	3229977	5-67														
STUD 35-02	STATES	1-41															
1306477	WDDGDURNE LASS REFLECTION....	8	1,445	2.25	622	3.9	14,346	3.58	514	16	14,212	525	59%	+216	-10		
04-03-57	010196998	3221337	5-67														
STUD 23-11	STATES	6-21,22,23,48,52															
1306661	GRAY VIEW SKYLINER NELL.....	2	55	2.36	9	13.0	16,079	3.60	579	8	15,631	552	56%	+380	+19		
03-23-57	1244845	2952038	5-67														
STUD 87-01	STATES	1-41															
1307195	FRASEA NETHERLAND PERFECTION..	4	660	2.05	161	13.9	14,903	3.61	538	16	14,576	521	94%	+420	+19		
02-27-55	010153547	011002838	5-67														
STUD 91-13	STATES	5-32,82,87,91,92															
1308044	ROLLING KNDLL MAT CROSS.....	13	42	1.71	2	40.0	13,764	3.52	485	8	11,506	421	27%	+562	+16		
09-18-57	1216872	3516146	5-67														
STUD 51-02	STATES	1-51															
1308091	MACINTIRE PATHFINDER PRINCE....	15	33	2.03	6	18.1	17,160	3.61	620	15	16,517	596	37%	+356	+13		
04-26-57	984759	2871506	5-67														
STUD 35-75	STATES	4-21,34,35,52															
1308101	SKCKIE SENSATION NED.....	0	37	2.43	10	17.3	17,472	3.73	652	9	15,855	600	42%	+782	+27		
04-11-57	1267271	3235818	5-67														
STUD 61-01	STATES	4-32,33,34,61															
1308415	CARNATION EMBLEM GAIETY.....	2	49	2.27	4	32.3	15,703	3.72	584	13	15,853	554	36%	+36	+13		
06-30-56	1237664	343639	5-67														
STUD 87-01	STATES	1-82															
1308419	CARNATION BUTTER BOY COUNT....	7	230	1.61	118	3.6	14,024	3.50	491	16	14,077	508	91%	+17	-13		
08-01-57	1152252	3700608	5-67														
STUD 91-11	STATES	13-34,35,41,42,74															
1308429	HOWACRES ADMIRAL LUCIFER.....	11	371	2.26	236	2.5	14,776	3.61	534	22	14,319	534	95%	+527	+4		
05-02-57	769170	5277789	5-67														
STUD 21-10	STATES	7-12,13,14,15,16															
1308756	DREGDN CHALLENGER BARON.....	3	26	2.33	10	13.8	17,341	3.44	596	15	16,346	588	46%	+589	+8		
09-14-57	1253140	3441114	5-67														
STUD 52-01	STATES	2-52,52															
1309227	CLANYARD IDEAL KINGSDALE.....	1	466	1.59	237	3.6	12,590	3.65	474	18	13,678	504	95%	-623	-26		
05-26-57	1090340	3168872	5-67														
STUD 33-01	STATES	6-32,33,35,57,64															
1309465	SHANGHIGH DOUBLE EXEC GENERAL..	9	526	2.45	304	2.6	13,787	3.72	513	15	13,856	515	97%	-17	-2		
07-15-57	1090258	2798841	5-67														
STUD 23-09	STATES	5-21,23,31,54,58															
1309467	SHANGHIGH VAR RAG APPLE BUD....	0	23	2.35	3	14.8	14,969	3.92	587	17	15,857	572	34%	-217	+8		
02-26-57	1011334	3606503	5-67														
STUD 35-75	STATES	1-31															
1309574	NORTHMODR LEAOR HECTOR.....	3	45	2.51	11	13.0	16,789	3.84	644	30	15,909	593	52%	+593	+32		
08-09-57	1216557	2915508	5-67														
STUD 23-09	STATES	2-16,21															
1311154	ZELOENRUST PROUD PONTIAC.....	1	201	1.20	103	3.1	12,619	3.68	465	19	14,091	509	89%	-1245	-36		
09-01-57	1231051	3848891	5-67														
STUD 33-02	STATES	4-31,33,43,61															
1311425	TAGALONG BURKGDV DAGAN.....	12	207	1.35	157	1.8	13,939	3.44	480	13	13,193	473	91%	+664	+5		
11-24-57	1038509	3320066	5-67														
STUD 41-01	STATES	5-35,41,42,45,46															
1311564	RELLUM SIR FORBES REGAL.....	10	34	2.05	15	7.2	13,854	3.45	478	8	14,266	504	53%	-168	-12		
01-01-57	1181781	3511395	5-67														
STUD 91-11	STATES	4-33,35,42,73															
1311754	SKCKIE DUNLOGGIN BOY.....	12	556	1.77	443	1.7	14,120	3.65	515	15	13,964	507	97%	+210	+10		
11-27-57	1282185	3395112	5-67														
STUD 33-03	STATES	32-21,23,33,34,41															
1311795	SKCKIE SENSATION COMMDDGRE....	0	27	1.63	4	18.3	17,779	3.48	618	10	15,885	574	31%	+670	+16		
11-17-57	1267271	2806298	5-67														
STUD 35-75	STATES	1-41															
1312008	GEDBETH ARABEL BEN.....	4	257	2.00	252	1.3	14,845	3.67	545	18	14,759	528	95%	+180	+20		
09-25-57	905683	3703457	5-67														
STUD 21-10	STATES	5-13,21,22,23,72															
1312981	SHAWS SCHDDLMASER CRETE.....	10	448	1.91	180	4.2	13,275	3.54	470	15	13,140	466	95%	+111	+2		
11-21-57	1181068	2988339	5-67														
STUD 61-01	STATES	3-61,63,72															
1313490	ATHLONE LEADER.....	8	689	1.67	484	3.0	14,731	3.52	519	17	14,170	512	57%	+622	+9		
12-26-57	915940	2801182	5-67														
STUD 33-03	STATES	33-21,23,34,35,41															
1314270	HORSE PEN HILL KING SDVEREIGN..	10	85	1.06	57	1.9	13,763	3.55	489	21	13,978	508	79%	-120	-12		
09-14-57	1009052	3865354	5-67														
STUD 52-01	STATES	3-51,52,55															
1314336	WEED FARMS BEL EDWIN.....	6	67	2.43	82	1.1	14,316	3.63	519	18	14,447	519	85%	-18	+3		
11-08-57	905663	3395276	5-67														
STUD 21-10	STATES	3-13,21,23															
1314449	SUNNYSIDE JEWEL RDBURKE.....	6	206	1.55	125	2.7	13,632	3.73	509	15	14,034	507	91%	-302	+4		
09-24-57	1024453	3780371	5-67														
STUD 35-05	STATES	7-22,33,35,41,42															
1314451	SUNNYSIDE LEADER QRM8BY.....	16	20	2.25	6	11.5	14,723	3.44	506	18	14,904	543	34%	-8	-10		
08-13-57	915940	3093548	5-67														
STUD 63-02	STATES	2-35,55															
1314767	SHAWS D C T UNA CREAMELLE.....	7	337	1.29	196	2.6	14,386	3.66	526	14	13,829	501	94%	+566	+25		
07-03-57	972500	2752714	5-67														
STUD 35-05	STATES	8-23,33,35,41,42															



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO'	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY PREO			
NUMBER	N A M E	O F	S U L L		NO	REC / DAU			MILK	%	FAT	HEROMATE NO	MILK	FAT	OF SIRE SUMMARY	DIFF MILK	FAT
1315253	PUGET SOUND CYCLONE.....*			10	138	1.20	51	3.7	13,589	3.53	480	15	13,934	510	84%	-240	-22
09-07-57	1144238	4031385	5-67														
STUD 35-02	STATES	4-23,34,35,91															
1315423	LAVACRES OUSTY AOAM.....*			0	25	2.68	3	15.4	18,837	3.58	675	65	17,262	647	35%	+696	+16
12-01-57	1205185	3208918	5-67														
STUD 35-02	STATES	1-93															
1315498	SKOKIE NOEL.....*			6	1,085	1.93	491	5.4	14,956	3.54	530	19	14,749	529	98%	+338	+5
12-24-57	1249424	3425213	5-67														
STUD 35-75	STATES	28-21,23,31,74,84															
1315578	LAR-WINN RAG APPLE IOEAL.....*			0	278	1.47	167	2.5	14,880	3.84	572	18	13,985	516	93%	+889	+55
10-15-57	1090340	2940399	5-67														
STUD 33-01	STATES	4-33,35,42,43															
1315612	CLOVERBROOK PRINCE.....*			16	34	1.51	6	19.0	16,670	3.71	618	8	15,841	583	37%	+393	+16
11-02-57	1079736	4133181	5-67														
STUD 33-03	STATES	1-42															
1315879	PAWNEE FARM CENTURION OUKE.....*			0	21	1.81	3	9.6	12,063	3.79	457	7	12,185	455	36%	-85	0
04-20-57	1263045	3922841	5-67														
STUD 35-02	STATES	1-47															
1316050	ROLLING KNOLL DUNLOGGIN MASTER.....*			10	1,158	2.11	311	8.0	14,144	3.59	508	16	14,076	524	97%	+136	-11
09-12-57	874306	2904186	5-67														
STUD 23-11	STATES	4-21,22,23,50															
1316112	WILLMIL A B R ROXANNA SUPREME.....*			4	28	1.89	5	12.7	16,389	3.97	650	16	15,560	587	39%	+408	+28
10-16-57	1080950	2950808	5-67														
STUD 52-01	STATES	2-22,51															
1316533	CRESCENT BEAUTY TRIUMPH.....*			4	57	1.77	23	8.6	14,996	3.59	539	14	14,218	515	62%	+533	+17
09-26-57	1268528	3398005	5-67														
STUD 33-03	STATES	10-23,33,35,42,43															
1316590	MISTYVALE MASTER OUKE.....*			7	907	1.34	523	2.7	14,134	3.77	533	16	14,282	537	98%	-53	+1
02-17-58	1086326	3669237	5-67														
STUD 23-09	STATES	9-21,22,23,50,51															
1317224	AQHR GOLDEN BANNER.....*				22	1.50	4	9.5	15,101	3.63	548	53	16,522	595	36%	-398	-12
09-27-57	1215448	3626309	5-67														
STUD 93-02	STATES	3-32,86,93															
1317270	MALLARY ADMIRAL LUCIFER.....*			0	13	2.77	5	6.5	16,467	3.84	633	22	16,204	619	34%	+186	+9
10-12-57	769170	3496963	5-67														
STUD 35-75	STATES	1-13															
1317850	LAVACRES OUSTY JO DECORATION.....*			6	64	1.47	5	23.5	14,694	3.40	500	77	15,069	530	46%	-92	-11
01-13-58	1205185	3257083	5-67														
STUD 23-09	STATES	1-93															
1318021	BRAUNS MASTERPIECE.....*			11	349	1.51	209	2.4	13,681	3.83	524	15	14,102	513	94%	-326	+13
10-06-57	959466	3184576	5-67														
STUD 91-11	STATES	22-21,33,35,41,42															
1318068	ORMSBY IDEAL SULTAN.....*			1	194	1.82	135	2.0	13,668	3.86	528	16	13,656	504	91%	+38	+23
12-17-57	1090340	2628365	5-67														
STUD 33-01	STATES	3-33,57,63															
1318383	C S H PONTIAC LOBELIA JIM.....*			11	18	1.33	2	10.0	14,457	3.35	484	35	14,394	493	30%	+50	-2
02-04-58	1239584	3358739	5-67														
	STATES	1-73															
1320015	GLENAFTON GRAPHIC.....*			17	422	1.11	266	3.6	14,453	3.43	496	18	14,308	513	94%	+226	-13
12-21-56	010249530	011155492	5-67														
STUD 34-01	STATES	6-31,32,34,55,64															
1320305	B D I VARALEMP ALAN.....*			15	218	1.39	170	1.6	13,039	3.67	479	14	13,536	485	92%	-438	-5
07-10-57	1082020	3617038	5-67														
STUD 41-01	STATES	4-41,42,45,46															
1320306	B O I VARIMPGOVE LADOLE.....*			7	66	2.06	8	17.1	15,722	3.58	563	36	15,115	529	55%	+431	+21
07-24-57	1082020	3865939	5-67														
STUD 41-01	STATES	1-52															
1320310	EMPEROR DUKE ARCHIE.....*			2	61	1.98	13	19.9	16,227	3.56	578	16	14,775	538	50%	+798	+23
01-23-58	1112211	3280791	5-67														
STUD 23-09	STATES	2-22,23															
1320371	GYPSIE LANE CONFIDEEN T.....*			0	31	2.97	4	23.7	13,634	3.42	466	10	13,371	455	34%	+89	+3
10-25-56	967873	3939166	5-67														
STUD 35-75	STATES	1-74															
1320458	LAVACRES OUSTY JO PECOS.....*			13	256	2.27	185	2.0	14,420	3.68	531	17	14,255	538	94%	+238	-1
03-22-58	1117035	4080983	5-67														
STUD 23-09	STATES	6-21,23,41,50,51															
1320747	DIAMONO S SIR HEILO LOCHINVAR.....*			14	37	1.59	15	6.1	15,747	3.70	583	84	15,363	556	55%	+323	+19
12-17-56	961535	3756853	5-67														
STUD 91-13	STATES	1-93															
1321904	SMITHOLM HECTOR.....*			7	37	2.32	19	4.5	15,290	3.51	536	15	14,816	536	61%	+379	+3
11-16-57	010193998	3776781	5-67														
STUD 31-01	STATES	2-23,57															
1322069	GLENAFTON RAG APPLE MONITOR T.....*			11	1,930	1.82	1151	3.0	14,126	3.65	515	17	14,034	509	99%	+158	+9
05-01-57	010239301	010718796	5-67														
STUD 33-03	STATES	40-21,23,34,35,41															
1322863	NACHES MAOCAP TRANSMITTER.....*			7	59	1.44	12	23.1	15,857	3.53	560	47	16,021	565	44%	+45	+1
08-16-57	1249795	2814144	5-67														
STUD 93-05	STATES	4-43,82,92,93															
1322864	.....*			0	21	1.00	8	4.2	15,595	3.55	553	30	15,194	534	42%	+243	+10
	STATES	4-11,74,82,93															
1323059	CARNATION PILOT HE-MAN.....*			4	32	1.84	4	16.3	15,878	3.37	535	12	14,550	520	38%	+551	+7
04-24-58	1175596	3153486	5-67														
STUD 91-11	STATES	1-91															
1323989	IOEAL SKYLARK.....*			7	16	2.31	3	7.3	15,595	3.76	587	14	15,798	589	36%	+15	+3
12-03-57	1226662	4241469	5-67														
STUD 31-02	STATES	1-48															



REGISTRATION				INC %	DAUGHTERS		NO OF HERDS	EFF OAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED OFF MILK	FAT
NUMBER	NAME	OF	SULL		ND	REC / DAU			MILK	AVERAGES %	FAT	HERO	MATE MILK	AVERAGES FAT	OF SIRE SUMMARY		
1324328 11-21-57 STUD 48-01	THCNYMA 1106455 STATES	GRMSBY 3439574 1-48	CAREY HEERSCHF 5-67	12	335	1.45	156	3.7	12,759	3.75	479	16	13,473	485	93%	-653	-5
1324354 12-10-57 STUD 33-C3	ARWYN 1244645 STATES	SKY KING.....* 3959680 37-21,23,31,33,35	5-67	8	1,035	1.58	677	2.5	14,326	3.66	525	18	14,132	512	98%	+266	+15
1324688 09-29-57 STUD 35-75	CHURCHOLDM 1208003 STATES	REGAL COLLINS-CREST.* 3870324 2-16,21	5-67	0	21	2.76	6	12.4	16,232	3.77	612	19	16,035	593	36%	+166	+11
1324830 01-01-58 STUD 91-13	GLENAFTDN 010249530 STATES	ARGYLE.....* C11091003 1-93	5-67	15	77	1.05	19	10.4	14,883	3.58	533	80	16,046	581	62%	-554	-23
1324992 07-05-57 STUD 35-02	FILLMCRA 1264447 STATES	RAVEN DESIGN.....* 3601430 2-13,21	5-67	4	32	2.50	9	13.5	15,535	3.58	556	9	14,917	533	43%	+334	+12
1325923 10-14-57 STUD 35-75	8RDDKVIEW 1079736 STATES	GDLOEN PATHFINDER...* 2924582 1-31	5-67		14	2.00	3	10.4	16,081	3.44	553	7	15,724	569	27%	+162	-1
1326163 07-05-58 STUD 21-10	IMPERIAL 923749 STATES	SUNLEA ELUMINE TY-VIC 3813484 2-13,21	5-67	6	160	2.26	148	1.1	15,000	3.70	555	20	14,915	532	91%	+220	+25
1326270 09-12-57 STUD 35-75	RDSAFE 010249633 STATES	SIGMUNO.....* C11016253 4-23,31,61,86	5-67		26	1.46	7	15.6	15,568	3.50	545	20	15,853	548	32%	-10	+1
1326606 05-15-58 STUD 72-01	HOWVALE 1113350 STATES	RAVEN JERRY.....* 3266194 2-13,14	5-67	18	48	1.98	20	6.6	14,226	3.83	545	16	15,015	574	62%	-388	-12
1326679 04-22-58 STUD 35-05	BURKE 1050848 STATES	8 F TRIUNE PRINCE.....* 3789940 6-33,35,57,61,84	5-67	0	30	2.03	16	7.1	14,761	3.46	511	23	14,932	537	50%	-6	-10
1326796 01-28-58 STUD 34-01	ZELDENRUST 1028260 STATES	PURE GOLD.....* 3998939 13-21,32,34,86,92	5-67	22	1,130	1.45	521	5.1	13,410	3.67	492	17	14,323	512	98%	-796	-16
1326895 11-22-57 STATES	O F MODEL 1267764 STATES	DRMSEY.....* 3705003 1-35	5-67	2	52	2.40	7	28.8	14,714	3.61	531	16	14,923	545	40%	-20	-2
1327405 06-19-58 STUD 31-C2	LAVACRES 1204163 STATES	DICTATOR DEFIANCE - T* 3399594 2-34,93	5-67	7	116	1.70	9	77.5	15,579	3.55	553	93	15,078	530	37%	+246	+10
1327867 04-11-58 STUD 41-25	MAYERS 1293580 STATES	RAVEN ANNA DUKE.....* 3712504 3-35,41,42	5-67	15	47	1.77	15	11.8	13,017	3.65	475	18	14,781	512	52%	-839	-17
1327891 02-26-58 STATES	STEADY STREAM 1024453 STATES	SIR RAG APPLE...* 2992612 1-47	5-67	0	15	1.07	2	13.1	13,670	3.70	506	8	13,640	507	22%	+13	0
1328281 06-20-58 STUD 35-C1	CHRISTY 1265747 STATES	MONARCH.....* 3108978 1-35	5-67	13	17	1.76	10	2.2	14,262	3.41	487	10	14,065	509	47%	+125	-8
1328620 07-15-58 STUD 91-11	ELKHART 1277314 STATES	GOLDEN CROSS.....* 2748774 3-23,35,74	5-67		28	1.21	9	8.3	12,509	3.88	485	20	13,668	485	42%	-470	0
1329588 12-24-57 STUD 33-03	DATS 1024453 STATES	FARM GALLANT RAG APPLE...* 3693720 30-21,23,35,41,88	5-67	10	372	1.05	268	2.5	15,313	3.55	544	16	15,173	549	94%	+302	+1
1329686 01-C2-58 STUD 41-C1	M V B A 1064738 STATES	RDXANNE POSCH BENJAMIN 3260026 5-41,42,45,46,47	5-67	9	140	1.34	105	2.1	13,041	3.70	482	16	13,482	483	87%	-371	0
1330362 07-28-58 STUD 93-10	WIS 1189593 STATES	DIRECTOR.....* 3255088 1-93	5-67		13	1.65	5	4.6	16,502	3.24	534	40	16,413	568	34%	+133	-8
1330597 08-11-58 STUD 35-75	MAVIEW 1094305 STATES	SIR MAPLE PILOT.....* 2978190 2-21,55	5-67	6	37	1.89	16	4.0	15,475	3.72	575	21	14,799	539	61%	+500	+25
1330701 06-21-58 STUD 35-05	RUSSINWOOD 010237756 STATES	SULTAN.....* 3050302 5-33,35,41,42,57	5-67	4	50	1.64	35	2.0	12,855	3.47	446	17	13,141	480	72%	-220	-24
1330918 05-19-58 STUD 41-01	B D I 1087974 STATES	PAULBVAL OLIVER.....* 3865938 1-52	5-67	10	61	1.87	5	19.1	14,886	3.45	513	39	15,136	531	51%	-35	-6
1330936 10-16-57 STUD 93-05	VEK800N 1113350 STATES	RAVEN LAODIE.....* 3832324 4-82,86,91,93	5-67	9	256	1.34	27	39.9	16,279	3.59	584	145	16,499	589	68%	+64	+4
1330981 06-22-58 STUD 23-11	SKOKIE 1288610 STATES	REGENT DUKE.....* 3235817 3-22,23,41	5-67	4	157	2.32	102	2.2	14,415	3.74	539	15	13,801	510	90%	+592	+28
1330987 07-25-58 STUD 33-03	SKOKIE 1288610 STATES	FAMDUS DUKE.....* 2878339 32-23,33,34,35,41	5-67	7	359	1.23	282	1.6	14,921	3.69	551	17	14,403	520	95%	+589	+32
1331314 04-C8-58	RDSAFE 010198998 STATES	SHAMROCK GODFREY.....* 011097658 2-35,41	5-67	11	51	1.96	20	9.7	14,196	3.88	551	16	15,077	573	58%	-412	-7
1331428 01-28-58 STUD 33-C3	KING 934577 STATES	GRMSBY OS8DRNDALE.....* 2475925 30-21,23,33,34,35	5-67	8	239	1.81	198	1.5	14,292	3.62	517	16	14,089	510	93%	+257	+9
1331709 08-28-58 STUD 35-75	KYLAND 1262613 STATES	PREMIER SEGIS LEADER...* 3672478 4-31,34,35,64	5-67	0	22	1.95	6	7.9	17,157	3.32	569	12	15,019	525	41%	+940	+20

REGISTRATION					INC %	DAUGHTERS			NC CF HEROS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED	
NUMBER	NAME	DF	SULL	ND		REC / DAU	REC / DAU	REC / DAU			MILK	AVERAGES %	FAT	HERDMATE ND	MILK	AVERAGES FAT	DF SIRE SUMMARY	DIFF MILK	FAT
1333526	CASH-MAR JERRY HEADLINER.....*	5	108	1.31	72	2.2	13,421	3.58	461	19	14,164	507	83%	-550	-19				
01-11-58	1138441	3154948	5-67																
STUD 33-02	STATES	15-32,33,34,35,73																	
1333641	PA8ST COMMANDER LEADER.....*	7	541	1.67	415	1.7	14,345	3.69	529	15	14,028	508	97%	+371	+22				
07-30-58	915940	3161323	5-67																
STUD 33-03	STATES	34-21,23,31,35,41																	
1333705	RICH-HERD TEXAL DOU8LE.....*	9	58	1.93	7	26.2	16,111	3.89	626	30	16,554	577	43%	-52	+25				
07-23-58	1295307	4307922	5-67																
STUD 41-25	STATES	2-41,47																	
1333723	SHADY MEAD8W IDEAL EX.....*	0	26	1.58	5	12.6	15,590	3.63	566	14	16,280	571	36%	-142	+1				
03-17-58	1013415	3671396	5-67																
STUD 31-01	STATES	4-23,31,33,61																	
1334641	GRAY VIEW SKY SUCCE8DR.....*	0	31	1.87	4	11.5	15,811	3.69	584	15	15,015	562	43%	+414	+13				
05-28-58	1244845	2981945	5-67																
STUD 72-01	STATES	1-42																	
1334642	GRAY VIEW SKY NICOLET.....*	4	82	2.13	55	2.0	14,510	3.64	528	14	13,893	501	82%	+550	+23				
06-10-58	1244845	3167997	5-67																
STUD 35-05	STATES	7-33,34,35,41,42																	
1335721	VIGO COMRADE.....*	8	13	2.62	2	11.1	16,555	3.59	594	19	15,686	571	26%	+290	+8				
01-01-58	959466	3188406	5-67																
STUD 35-02	STATES	1-35																	
1335767	MOOSEHEART MON8GRAM.....*	11	696	1.44	454	3.0	14,433	3.44	496	21	14,533	524	97%	+17	-23				
09-19-58	1024453	3540979	5-67																
STUD 33-03	STATES	35-21,23,31,32,41																	
1336320	STAR PLAIN VIEW PR8FILE.....*	0	18	2.50	6	5.1	15,448	3.83	591	10	15,291	587	43%	+151	+6				
06-11-58	1169417	3071675	5-67																
STUD 35-75	STATES	2-35,41																	
1336658	CARNATION IDEAL DIGNITY.....*	13	33	1.76	4	27.3	14,821	3.50	518	24	14,167	509	29%	+215	+3				
07-17-58	1175596	2931901	5-67																
STUD 35-02	STATES	1-34																	
1336659	CARNATION IDEAL PRINCE.....*		14	1.14	6	6.1	12,683	3.67	465	16	13,708	480	29%	-298	-4				
07-27-58	1175596	4051117	5-67																
STUD 87-01	STATES	3-82,87,91																	
1337271	HARDEN FARM DUKE DESIGN.....*	10	76	1.54	23	5.5	13,506	3.36	454	11	13,122	458	73%	+262	-4				
09-01-58	1112211	3379025	5-67																

REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREOIFF	
NUMBER	NAME	OF BULL	REC / OAU		MILK	%			FAT	HEROMATE NO	AVERAGES MILK	FAT	OF SIRE SUMMARY	MILK	FAT		
1344345	SKYWAY ESTEEM	SAM.....*	8	28	2.00	11	4.8	15,574	3.55	553	31	14,730	546	53%	+524	+7	
08-10-58	1282123	4143918	5-67														
STUD 35-02	STATES	4-13,35,86,93															
1345041	DOONCROFT SPARKIE.....*	0	31	1.65		8	18.8	17,598	3.68	647	17	17,248	685	34%	+248	-5	
09-30-58	1013415	3840437	5-67														
STUD 35-02	STATES	3-22,23,50															
1345461	IVA-NAN DICTATOR EOEN.....*	7	14	2.14		1	14.0	16,967	3.48	590	15	14,840	523	24%	+544	+17	
08-04-58	1257390	2720442	5-67														
STUD 34-01	STATES	1-32															
1346850	ORISWOOD ZEUS BURKE TRIUNE.....*	9	24	1.58		6	15.2	17,517	3.51	615	16	16,058	563	31%	+539	+19	
10-06-58	1024856	3677394	5-67														
STUD 51-02	STATES	1-54															
1347065	PAWNEE FARM REFLECTION SUPREME.....*	12	215	1.28		109	3.5	14,091	3.52	496	18	14,217	513	89%	-35	-12	
10-28-58	1322381	3522839	5-67														
STUD 41-25	STATES	7-35,41,42,43,47															
1347112	ELKHART FOND MARMAOUE.....*	8	45	1.67		24	3.6	15,002	3.55	533	22	14,218	501	66%	+574	+22	
01-31-59	1250992	4055581	5-67														
STUD 41-25	STATES	2-42,47															
1347368	POPLAR BEND SKOKIE SENATOR.....*	9	12	1.58		1	12.0	13,776	3.48	479	11	13,386	475	21%	+82	+1	
11-13-58	1246724	3881830	5-67														
	STATES	1-41															
1347448	VERPANA FARM REGENT MARK.....*	0	18	2.17		5	7.5	15,624	3.71	579	18	16,043	586	38%	-56	+1	
11-18-58	1250772	3192525	5-67														
STUD 91-11	STATES	1-35															
1347940	WHIRLHILL KINGPIN.....*	9	866	1.72		361	4.0	15,842	3.64	576	15	14,409	525	97%	+1497	+53	
02-13-59	1104074	4227925	5-67														
STUD 23-11	STATES	4-22,23,51,54															
1348259	AIRYTOP SIR SEELY PABST ORLC..*	5	129	2.39		120	1.1	15,603	3.56	555	20	14,737	527	90%	+900	+29	
11-13-58	1102436	3304894	5-67														
STUD 21-10	STATES	2-13,21															
1348281	PINEYHILL MAXIMILIAN.....*	9	377	1.65		180	3.9	14,169	3.85	545	20	14,487	537	94%	-152	+12	
09-11-58	1295523	3982675	5-67														
STUD 23-11	STATES	4-21,22,23,53															
1349029	RAYMAU HEADMASTER.....*	5	69	1.46		17	11.6	16,626	3.75	623	16	15,978	600				



REGISTRATION					DAUGHTERS			NO EFF		DAUGHTER			ADJUSTED		REPEATABILITY		PREO	
NUMBER	NAME		OF	SULL	INC %	NO	REC / DAU	OF HEROS	DAU / HERO	MILK	AVERAGES %	FAT	HERDMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY	OFF MILK	FAT
1353261 09-10-58 STUD 23-11	SKOKIE OUKE	OANBORO			* 8	63	1.32	42	2.1	13,757	3.66	503	26	14,903	551	75%	-740	-30
1353294 05-12-58 STUD 41-01	M V B A PRESTO	MAIO BRUCE			6	124	1.58	92	1.7	13,697	3.56	488	15	13,452	478	87%	+221	+8
1354288 06-16-59 STUD 91-13	CARNATION ROYAL	SPECIALIST			* 9	364	1.33	163	4.5	14,511	3.40	494	19	14,626	524	93%	+11	-23
1354643 11-17-58	ELM LEA POSCH	TRIUNE			* 25	23	1.87	2	21.0	14,132	3.96	559	17	15,393	575	26%	-278	-1
1354671 10-27-58 STUD 87-01	SEGUOIA JO PILOT	PAUL			12	166	1.48	85	3.0	13,574	3.59	487	14	14,266	499	68%	-528	-9
1355148 01-29-59 STUD 91-11	GYPsIE B F CARNATION				18	18	2.17	2	9.4	15,981	3.45	552	13	15,559	568	34%	+221	-2
1355528 07-20-59 STUD 93-10	LAVACRES DICTATOR	PHOENIX			0	36	1.44	3	32.1	16,955	3.47	588	51	16,483	597	27%	+212	+1
1355529 07-23-59 STUD 93-15	LAVACRES DICTATOR	DUSTY JO			* 4	60	1.40	2	38.5	15,437	3.43	530	90	15,092	538	34%	+177	0
1355610 01-02-59 STUD 31-02	WOOBOURNE CON-MAN				* 10	20	2.25	5	7.1	14,429	3.99	575	16	15,631	583	41%	-400	+1
1355783 01-24-59 STUD 87-01	THONYMA TRAITION				17	271	1.46	112	3.8	13,955	3.48	485	12	14,314	505	92%	-240	-16
1355784 02-20-59 STUD 31-02	THONYMA STYLEMASTER				* 7	159	1.25	107	2.2	15,717	3.33	524	24	14,291	503	88%	+1336	+20
1355942 02-07-59 STUD 35-05	ELMOKA HOMESTEAD	MARTY			* 9	59	1.80	43	1.7	13,439	3.75	504	14	13,762	500	77%	-215	+4
1355982 09-17-58	S & W LEADER	RAVEN DE KCL			* 36	13	1.15	3	8.0	12,711	3.39	431	29	12,483	441	25%	+35	-3
1357033 02-11-59 STUD 52-01	OREGON CHALLENGER	ZENITH			* 15	27	1.52	2	16.6	17,100	3.34	571	19	15,735	539	32%	+516	+12
1357215 11-18-58 STUD 35-75	VIGO VITALITY				* 6	18	2.39	6	9.6	14,521	3.60	523	20	15,690	572	35%	-326	-13
1357308 06-11-58 STUD 31-02	EDGEHILL TREASURE	KIT			* 11	19	1.47	5	6.6	15,925	3.77	601	163	15,679	554	37%	+177	+20
1357743 05-31-58 STUD 33-03	GLENAFTON RAG	APPLE CHARMER			* 0	56	2.04	9	36.5	17,024	3.40	578	28	15,925	552	37%	+498	+12
1357750 02-11-59 STUD 93-05	ROSAFE SUPREME	OUKE-TWIN			* 11	20	1.15	2	18.1	17,487	3.40	594	140	17,817	629	23%	+27	-4
1357757 01-29-59 STUD 35-03	BILLVER OLIVER	KING			* 8	150	1.81	101	1.9	15,392	3.87	595	15	14,440	526	89%	+944	+65
1357887 12-05-58 STUD 35-21	U NEVADA WIS	BURKE ALE			* 0	23	1.30	4	9.6	14,466	3.66	530	14	14,314	529	36%	+89	+2
1358005 08-04-59 STUD 23-11	WIS SYMBOL	PRIDE			* 7	56	1.20	44	1.5	16,495	3.38	557	19	15,013	558	73%	+1209	+4
1358255 04-02-59 STUD 21-10	BIG GREEN INDIAN	WALLACE-TWIN			5	111	1.99	99	1.2	15,137	3.46	523	18	14,655	524	87%	+535	+2
1358647 12-10-58 STUD 91-11	PABST AOMIRATION				* 5	114	1.82	65	3.1	13,890	3.71	515	28	14,382	520	84%	-327	0
1358823 05-22-59 STUD 23-11	SKOKIE MARATHON	BOY			* 7	733	1.69	392	2.7	14,351	3.73	536	17	14,347	535	97%	+100	+6
1359390 02-06-59 STUD 41-01	DANEHOJ GYPsIE	LEADER			13	26	1.12	17	2.1	13,311	3.67	488	20	13,608	485	53%	-144	+1
1359626 02-27-59 STUD 41-25	PAWNEE FARM ROSAFE	LOCHINVAR			* 0	38	2.13	1	38.0	15,969	3.66	585	26	14,098	505	28%	+545	+23
1359829 09-07-59	LAVACRES DUSTY	STRIKE			* 8	15	1.47	3	11.4	13,838	3.83	530	24	13,570	495	26%	+74	+9
1360676 12-22-58 STUD 23-01	ZIMMERMAN PILOT	STAR TIOY-TWIN*			17	12	1.00	5	3.0	20,133	3.75	755	10	17,844	681	32%	+865	+30
1360811 06-12-59	MILLER FARMS	PRINCE BUTTER			* 3	31	1.55	3	27.1	16,087	2.90	467	50	16,997	515	27%	-148	-11

REGISTRATION					INC	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY OF SIRE SUMMARY		PREOIFF FAT		
NUMBER	NAME	OF	SULL	NO		REC / OAU	MILK			%	FAT	HEROMATE NO	MILK	FAT	FAT	MILK	FAT		
1360884 07-28-59	COLG S U 8 10385C9 STATES	DESIGNER	3420439 1-82	5-67	*	0	11	1.09	2	9.1	16,472	3.18	524	14	15,065	514	21%	+323	+3
1361065 02-13-59	GLENAFTON RAG 0102393C1 STUD 35-03	APPLE HIGHLIGHT	010723716 9-23,33,34,35,61	5-67	*	8	398	1.58	189	3.4	13,880	3.87	537	15	14,331	518	95%	-333	+21
1361535 09-25-58	PINEHURST AOMIRAL 1211333 STUD 35-01	VICTORY	3880171 1-35	5-67	*	0	10	2.10	1	10.0	15,350	3.85	591	10	14,511	531	22%	+212	+14
1361933 11-01-58	HAMER ROBRURKE 1024453 STUD 35-75	RAG APPLE	4818416 3-33,35,42	5-67	*	5	23	1.61	11	6.8	16,296	3.52	573	11	15,358	550	42%	+477	+12
1362033 08-05-59	MAYTAG BURKGOV 1038509 STUD 41-25	TY VIC	3761858 1-42	5-67	*	4	26	1.50	9	12.7	14,551	3.48	506	27	13,750	477	36%	+298	+10
1362410 07-20-59	ARCHAMBAULT SOVEREIGN 1259074 STUD 33-03	SYM8CL	4115732 3-31,32,61	5-67	*	0	17	1.41	7	3.3	15,055	3.63	546	9	15,538	562	41%	-107	-3
1362491 09-03-59	LAVACRES OUSTY 1205165 STATES	SHANE	3691931 1-93	5-67	*		22	1.45	1	22.0	16,101	3.63	585	63	16,215	597	24%	+41	0
1363393 09-20-59	HAYSEN O V 1309548 STUD 41-01	IMPERIAL	5724358 2-41,42	5-67		18	18	1.06	17	1.1	13,589	3.53	480	15	12,953	467	47%	+282	+5
1363507 06-16-59	SKOKIE CHAMPION 1288610 STUD 33-02	OUKE	3999939 6-31,33,35,41,61	5-67			395	1.56	152	4.5	14,469	3.55	513	17	13,955	511	94%	+538	+4
1364134 05-10-59	BURKE MAGIC 1162188 STATES	SATELLITE	3925896 1-32	5-67		10	23	1.30	1	23.0	12,671	3.34	423	4	14,131	487	23%	-317	-14
1364243 09-25-59	CORLAN FARMS 1169870 STUD 52-01	IVANHOE PIONEER	2539718 8-11,12,13,23,55	5-67	*	6	32	1.69	15	7.0	15,412	3.67	565	27	14,775	550	51%	+396	+11
1364397 07-11-59	HILL GIRT 1099477 STUD 23-09	MERCEDOS PATRICK	3154946 4-21,23,50,51	5-67	*	8	74	1.08	65	1.2	13,791	4.00	551	15	14,483	545	79%	-454	+9
1364574 05-31-59	PIEBE REGAL 1253576 STATES	OALE-MAR	4084978 1-48	5-67		10	33	1.30	3	25.7	13,397	3.76	504	9	13,412	484	28%	-2	+6
1365058 06-14-59	LANGE ROYAL 1305460 STUD 41-25	ROSE	4050151 4-42,45,46,47	5-67	*	5	48	1.77	11	19.7	15,469	3.57	552	31	13,879	519	44%	+721	+16
1365141 10-25-59	WIS MOOSEHEART 1292880 STUD 35-21	OIRECTOR	3373777 2-23,35	5-67	*	0	18	1.44	4	11.2	16,052	3.74	601	7	15,614	556	29%	+194	+15
1365341 02-09-59	BURKGOV HEILO 1038509 STUD 41-25	BELLE	3999292 1-41	5-67	*	4	27	1.56	12	3.8	15,023	3.62	544	37	12,926	475	53%	+1078	+36
1365388 10-24-59	CARNATION IOEAL 1175596 STUD 91-11	METEOR	2666887 1-91	5-67		0	28	1.57	8	6.0	13,766	3.65	503	12	14,825	523	49%	-445	-7
1365401 10-01-59	CARNATION BUTTER 1152252 STUD 33-C3	80Y JUBLENT	4440593 25-23,33,34,35,48	5-67	*	13	131	1.07	94	2.0	13,925	3.59	500	17	14,429	524	85%	-337	-16
1365878 11-11-59	RIVER VALLEY T N 1264035 STUD 33-03	PRIVATEER	3069912 27-23,31,33,35,41	5-67	*	12	191	1.27	136	2.2	13,659	3.63	496	15	14,020	505	90%	-264	-5
1366010 08-11-59	EXRANCO EL PICA00R 1032011 STUD 93-03		3876857 1-93	5-67		9	29	1.52	1	29.0	15,867	3.73	592	210	15,465	563	25%	+153	+9
1366011 09-17-59	EXRANCO EL TORO 1032011 STUD 93-03		3816768 1-93	5-67		0	12	1.67	1	12.0	16,975	3.99	678	217	15,244	558	22%	+418	+28
1366152 04-18-59	WHITTIER-FARMS 1181068 STUD 35-75	STYLEMASTER	3822538 1-14	5-67	*	4	33	1.88	4	18.4	16,854	3.80	641	22	17,305	636	36%	-19	+7
1366229 12-18-58	LOCKWAY SOVEREIGN 1165012 STUD 35-02	LUCIFER	3330455 1-23	5-67	*	0	11	1.91	1	11.0	16,797	4.09	687	90	15,429	591	22%	+347	+23
1366238 06-27-59	EDGEAR MAGIC 1138451 STATES	FIFTY NINER	3899804 1-93	0-00		0	12	1.00	2	10.1	17,441	3.70	645	20	17,923	608	20%	-4	+10
1366933 06-20-59	HILLSIOE SUPER8 1298430 STUD 51-02		3846713 1-23	5-67	*	0	28	1.71	4	19.2	15,478	3.96	613	17	13,953	511	32%	+501	+33
1367006 10-09-59	8ENNA COUNT 1287319 STATES	INKA RAVEN	4264075 1-42	5-67		33	12	1.00	1	12.0	13,974	3.41	477	2	13,617	485	19%	+71	-1
1367027 07-13-59	MACSFARM ECHO 1227400 STUD 63-02	OICK GENERAL	3121956 1-63	5-67	*	4	29	1.34	15	4.7	13,356	3.71	496	18	13,220	476	51%	+62	+10
1367055 11-30-59	CARLINS HILLTOP 1243697 STUD 48-01	FONO PRINCE	3307440 2-48,73	5-67		17	114	1.46	72	3.1	12,920	3.61	466	21	13,178	479	83%	-229	-10
1367176 10-13-59	SUNNY8ROOK PABST 1112211 STATES	REBURKE REGAL	3774793 1-33	5-67		0	14	1.43	1	14.0	13,455	3.49	469	10	12,648	451	21%	+157	+3

REGISTRATION					DAUGHTERS		NO	EFF	DAUGHTER			ADJUSTED		REPEATABILITY		PREO		
NUMBER	NAME	SUFFIX	BULL	INC	%	NO	REC / OAU	OF HEROS	OAU / HERD	MILK	AVERAGES %	FAT	HEROMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY	DIFF MILK	FAT
1367352	THONYMA LEADER	SENATOR		*	0	36	1.58	3	28.7	16,307	3.47	566	20	15,105	545	30%	+406	+8
06-28-59	1302559	3417595	5-67															
STUD 31-02	STATES	1-48																
1367353	THONYMA ROYAL	PRINCE		*	0	41	1.51	5	24.2	16,356	3.75	613	11	15,078	536	35%	+509	+29
07-15-59	1113350	4240668	5-67															
STUD 31-02	STATES	1-48																
1367925	STERLINGDALE	LEADER LOUIE		*	0	20	2.10	6	6.2	15,049	3.79	571	20	15,621	567	43%	-146	+5
03-16-59	915940	3890094	5-67															
STUD 35-75	STATES	1-21																
1367981	MAVIEW LAIRO	PILOT		*	11	115	1.50	86	1.8	14,267	3.80	542	19	14,751	552	86%	-294	-2
10-05-59	1142734	4001287	5-67															
STUD 21-10	STATES	5-11,13,14,15,16																
1368109	ARLINDA BELLRINGER-TWIN			*	0	28	1.46	2	26.0	16,271	3.63	551	53	16,580	593	26%	+3	+2
07-12-59	1283917	4022411	5-67															
STUD 33-03	STATES	1-93																
1368155	C S H DECREAMCO	BILL		*	6	17	1.12	2	9.5	15,539	3.30	513	36	14,202	488	28%	+392	+7
08-18-59	1291566	4075531	5-67															
	STATES	1-73																
1368262	MAN-O-WAR	CRESCENT-TWIN		*	18	12	1.25	4	5.8	14,946	2.96	442	48	15,824	493	28%	-173	-13
07-22-59	1188731	3380264	5-67															
	STATES	3-31,57,64																
1368413	HOWARD FARM	PUSCH COUNT		*	0	13	1.46	2	11.1	14,783	3.85	565	9	15,256	548	23%	-64	+6
10-08-59	1265166	3795154	5-67															
	STATES	1-32																
1368763	UNH BURKE IDEAL GRADUATE			*	8	217	1.97	183	1.4	15,372	3.42	525	20	15,066	538	93%	+443	-6
06-14-59	1113350	4031317	5-67															
STUD 21-10	STATES	7-12,13,14,21,23																
1369235	WALKER FARM WORTHY MONARCH			*	12	65	1.15	53	2.4	14,825	3.31	490	18	15,080	537	74%	-60	-30
10-25-59	1124780	3805878	5-67															
STUD 21-10	STATES	2-13,21																
1369264	MERCEDES MABEL	PEARL KARMA		*	6	18	1.44	1	18.0	11,726	3.32	389	2	11,542	390	23%	+1	-1
10-25-59	1329476	4532275	5-67															
	STATES	1-48																
1369498	M V 8 A COMMANOD MAIO KELLY			*	14	84	1.45	68	1.6	13,803	3.46	478	22	13,427	482	82%	+313	-3
08-13-59	1072328	2958623	5-67															
STUD 41-01	STATES	3-41,45,46																
1369903	TIOY BURKE PEARL LARRY			*	0	11	1.45	3	4.0	16,486	3.26	538	18	15,314	545	30%	+416	0
11-22-59	1212740	3529600	5-67															
	STATES	1-35																
1369958	SHAWS SCHOOLMASTER TIOY CRETE			*	6	286	1.50	176	2.6	14,683	3.83	563	19	14,547	543	93%	+237	+24
11-20-59	1181068	3037363	5-67															
STUD 21-10	STATES	6-12,13,14,15,16																
1370173	GREEN MEADOW REWARD PRIDE			*	0	23	1.65	6	14.3	15,508	3.91	607	10	14,203	543	32%	+439	+22
05-08-59	1303180	4172040	5-67															
STUD 41-25	STATES	1-43																
1371183	SIR BESS ORMSBY MODEL			*	10	31	1.42	16	2.4	14,936	3.49	521	12	14,710	538	59%	+214	-6
01-02-60	1267764	3705003	5-67															
STUD 35-05	STATES	1-35																
1371200	KIRBYDALE CARNATION CAVALIER			*	0	18	1.00	2	16.1	17,057	3.37	575	40	14,895	526	22%	+505	+12
02-21-60	1315498	3220345	5-67															
	STATES	1-21																
1371216	VIGO IDEAL LEADER			*	0	17	2.00	2	15.1	15,444	3.55	549	10	13,088	477	26%	+606	+18
10-01-59	1013415	4348915	5-67															
STUD 41-25	STATES	1-42																
1371548	MANCRYGO ROYAL PROMOTER			*	15	66	1.42	35	3.3	14,067	3.60	506	18	13,728	496	74%	+277	+8
08-30-59	1169417	2822217	5-67															
STUD 31-01	STATES	4-31,33,42,84																
1371961	CLANYARD TY VIC HAL			*	0	27	1.78	21	1.4	13,850	3.63	503	18	14,059	529	61%	-84	-12
07-29-59	923749	2995445	5-67															
STUD 33-01	STATES	1-33																
1372052	JON-OE RAVEN JULE REBELER			*	4	26	1.77	1	26.0	13,992	3.75	525	12	13,262	485	25%	+182	+10
07-02-59	1275412	3342593	5-67															
STUD 41-25	STATES	1-41																
1372426	VISTA GRANOE HAVEN WALLIE			*	0	19	1.53	6	6.7	15,258	3.94	601	13	14,886	564	38%	+198	+17
08-29-59	1079658	3942008	5-67															
STUD 35-05	STATES	1-23																
1372430	VISTA GRANOE HAVEN FOLLOW ON			*	16	31	1.35	1	31.0	15,398	3.22	496	10	14,702	490	24%	+200	+2
01-02-60	1079658	3651710	5-67															
	STATES	1-23																
1372552	CARNATION ROYAL GOLD RUSH			*	0	20	1.70	2	18.1	16,514	3.49	577	18	15,540	566	26%	+305	+5
02-02-60	1305460	3339581	5-67															
STUD 35-21	STATES	1-82																
1372608	SKOKIE OESIGN MISTER JOY			*	12	26	1.81	6	14.3	15,545	3.84	597	10	14,524	527	35%	+403	+26
01-01-60	1298378	4486804	5-67															
STUD 35-75	STATES	3-32,33,35																
1372873	INGLIS IMPERIAL INVESTOR			*	6	42	1.88	40	1.0	14,978	3.45	517	18	14,804	530	73%	+231	-5
09-08-59	956081	3932781	5-67															
STUD 21-10	STATES	2-13,21																
1372874	BILL BURKGGV OEAN			*	10	102	1.43	97	1.1	16,551	3.39	561	20	15,522	552	85%	+1060	+13
12-23-59	1038509	3244405	5-67															
STUD 21-10	STATES	4-13,21,23,31																
1373012	HILLTOP EXPLORER CLIMAX			*	9	85	1.40	71	1.4	13,956	3.65	509	17	13,966	498	82%	+42	+10
03-12-60	1338191	4282302	5-67															
STUD 34-01	STATES	3-11,32,34																
1373055	HARDEN FARMS NDEL STANDARO			*	3	126	1.56	74	2.8	14,711	3.53	519	16	14,023	506	85%	+643	+13
10-20-59	1315498	2967416	5-67															
STUD 35-05	STATES	5-33,35,41,42,43																



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREO	
NUMBER	NAME	OF BULL			NO	REC / OAU			MILK	%	FAT	HERO	MATE	AVERAGES	FAT	OF SIRE SUMMARY	OFF MILK
1373118 10-05-59	KAYTEE CHAMPION 115047C STATES	2631243 1-42	5-67	* 17	12	1.17	3	4.5	15,171	3.26	495	8	15,086	505	29%	+76	-1
1373442 01-16-60	HGOGBOOM MAOCAP BUTTER KING 1152252 STATES	3349013 1-51	5-67	* 11	20	1.20	1	20.0	17,093	3.81	652	21	15,219	555	22%	+451	+23
1374531 05-09-59	KALARAMA DOUBBLE 800 1090258 STATES	3879878 1-42	5-67	6	17	1.18	1	17.0	10,050	3.71	373	49	12,090	428	21%	-456	-12
1375087 12-10-59	BY-GEMS PROFILE STANDOUT 1169417 STATES	3557225 4-35,61,65,71	5-67	* 16	36	1.39	12	8.4	14,223	3.62	517	14	14,790	529	49%	-187	-3
1375151 01-14-60	FRICKES JULE BUTTER 80Y 1152252 STATES	4426584 1-34	5-67	* 0	23	1.83	8	11.4	16,292	3.62	589	42	14,375	512	36%	+725	+29
1375226 09-23-59	MISTYVALE DUKE OF WINOSCR 1286036 STATES	3669237 1-23	5-67	* 0	13	1.15	11	1.4	13,714	3.47	476	11	13,774	504	39%	-6	-9
1375263 03-01-60	MAVIEW IRE ARISTOCRAT 1124780 STATES	3804033 1-55	5-67	* 16	25	1.52	7	4.4	18,109	3.51	635	47	17,002	622	49%	+725	+13
1375967 11-02-59	SISSON FARMS PIEBE WIS IOEAL 933122 STATES	3389004 6-11,13,14,15,16	5-67	5	184	1.43	116	2.5	16,038	3.49	559	21	14,792	551	90%	+1244	+13
1376340 02-03-60	LAVACRES OUSTY PRIOE 1205185 STATES	4467711 1-93	5-67	* 5	24	1.25	4	18.5	16,691	3.68	615	64	15,995	587	27%	+255	+10
1376502 03-07-60	SKOKIE REX 1288610 STATES	3235817 1-93	5-67	0	21	1.29	4	14.0	16,064	3.62	582	52	16,076	603	28%	+73	-2
1376532 01-21-60	DAWNVALE MASTER GENERAL 1322067 STATES	3443035 1-21	5-67	* 0	18	1.56	1	18.0	13,421	4.02	540	8	14,691	539	23%	-262	+1
1376695 05-18-59	80NO HAVEN CENTURION PAL G10239301 STATES	011028192 1-34	5-67	* 0	27	1.44	7	13.8	15,515	3.41	529	17	14,538	512	35%	+378	+7
1376810 11-10-59	MAPLE LAWN MASTER SIR ROBURKE 1025902 STATES	4174280 1-51	5-67	* 9	16	1.50	3	10.8	16,481	3.58	590	20	15,834	560	27%	+245	+10
1376972 01-13-60	LANELESS AMERICAN BUTTER 80Y 1152252 STATES	4473449 1-35	5-67	* 6	18	1.50	2	16.1	14,932	3.58	535	9	15,595	579	24%	-106	-7
1377052 01-29-60	ARCHAMBAULT OGSTIE TRITOMIA 1057739 STATES	3719953 4-33,35,41,57	5-67	* 7	43	1.91	22	2.5	15,027	3.58	538	16	14,249	514	69%	+600	+18
1377115 03-23-59	GLENBRO HIGH MAPLE 010218036 STATES	010851978 2-41,42	5-67	* 7	20	1.40	3	16.3	13,018	3.64	474	15	13,532	498	26%	-127	-5
1377673 11-08-59	RICVILLE ROYAL CREWMAN 1305460 STATES	3142294 4-81,82,86,91	5-67	11	53	1.40	45	1.4	14,474	3.43	496	15	14,151	505	74%	+297	-4
1377691 03-29-60	OEAN WALLACE SECURITY 1085978 STATES	3597932 4-13,14,21,23	5-67	* 3	85	1.53	77	1.1	16,438	3.44	566	21	15,334	549	83%	+1080	+19
1377954 06-27-59	FULTONWAY SCHOOLMASTER 1181069 STATES	4382863 1-23	5-67	* 0	10	2.60	4	5.2	17,686	3.91	692	18	16,578	655	30%	+435	+16
1378000 03-03-60	M V 8 A TY VIC PRESTO CYCLONE 923749 STATES	4589252 4-41,42,45,46	5-67	18	81	1.43	65	2.3	11,933	3.83	457	19	13,207	473	79%	-1022	-13
1378345 03-16-60	RWJS MAGISTRATE OON 1126307 STATES	3755364 3-82,92,93	5-67	5	42	1.05	12	7.4	16,823	3.58	602	124	16,740	606	52%	+220	+4
1378427 01-25-60	EXRANCO MAPLE SIR HOPE 010218036 STATES	4076820 1-93	5-67	25	12	1.67	1	12.0	14,639	4.01	587	226	15,659	572	22%	-171	+5
1378494 11-09-59	M A A PERFECTION PONTIAC 1307195 STATES	3779524 1-92	5-67	* 0	14	1.00	2	10.5	15,949	3.64	581	26	16,427	600	23%	-38	-1
1378594 05-14-59	GRAY VIEW CRISSCROSS 010218036 STATES	3167991 20-21,23,32,34,35	5-67	* 3	114	1.41	68	9.0	14,569	4.07	593	25	15,571	576	75%	-582	+19
1378638 03-03-60	LIME HOLLOW OEAN BURTON 1038509 STATES	3918667 6-13,14,21,22,23	5-67	5	111	1.53	106	1.0	15,562	3.37	524	21	14,983	531	87%	+642	-1
1379096 05-12-60	WIS CONQUEST 933122 STATES	3612218 2-22,23	5-67	3	151	1.40	71	4.2	14,299	3.52	504	34	14,380	529	85%	+18	-17
1379208 12-13-59	B O I MASTER OLAF 1025902 STATES	3507145 5-23,31,51,52,54	5-67	8	166	1.37	110	2.0	14,355	3.69	529	18	13,228	495	89%	+992	+31
1379263 02-12-60	COLINOGRN ARAB BUGLER 1038509 STATES	3846262 3-13,21,23	5-67	* 8	100	1.64	95	1.1	15,477	3.58	554	19	15,085	536	86%	+483	+20
1379390 03-23-60	RAVENGLEN ADIOS TRIUNE 1282185 STATES	3122167 1-21	5-67	* 3	78	1.26	9	19.1	14,472	3.75	542	24	14,977	546	54%	-183	+1

REGISTRATION				INC %	DAUGHTERS		NO OF HERDS	EFF OAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED DIFF	
NUMBER	NAME	OF	SULL		NO	DAU			MILK	%	FAT	HERDMATE NO	AVERAGES MILK	FAT	OF SIRE SUMMARY	MILK	FAT
1379708 03-25-60	WILSON CLOVERDALE 1228916 STATES	4062083 1-34	5-67	* 27	11	1.09	4	3.0	13,346	3.59	479	30	13,365	479	30%	-5	0
1379950 12-29-59 STUD 42-02	GERART PRINCE 1175596 STATES	3591804 2-42,73	5-67	5	57	1.07	41	2.2	13,963	3.46	483	10	13,684	494	71%	+222	-6
1380069 04-18-59 STUD 48-01	KEN VER NEIL 1188192 STATES	3225356 2-48,73	5-67	8	124	1.87	61	2.2	12,931	3.76	486	20	12,992	467	87%	-84	+15
1380083 01-16-60 STUD 51-02	ROLLING KNOLL 976710 STATES	2904186 3-51,52,54	5-67	* 11	85	1.18	64	1.8	12,848	3.70	476	20	13,484	503	80%	-498	-19
1380339 01-24-60	BURKE CARNATION 1169417 STATES	3238905 1-41	5-67	* 0	11	1.36	3	4.6	13,325	3.68	490	15	13,197	477	29%	+32	+3
1380371 12-16-59 STUD 31-01	COUNCIL ROCK 1113350 STATES	2646060 2-31,84	5-67	* 19	42	1.50	28	1.9	13,900	3.56	495	20	14,490	529	68%	-325	-19
1380550 09-29-59 STUD 91-13	GLENAFTON RAG 010249530 STATES	C10869574 4-81,82,91,92	5-67	8	198	1.33	101	3.0	14,717	3.64	536	18	14,896	527	89%	-21	+12
1380636 04-23-59	BLAIRJAC T M 1261063 STATES	4099214 1-74	5-67	21	15	1.07	1	15.0	12,779	3.66	468	11	12,638	459	20%	+14	+1
1380666 03-05-60	KGOI RAVEN BURKE 1113350 STATES	4192710 1-93	5-67	* 7	18	1.22	2	16.1	16,632	3.84	639	64	15,720	578	23%	+264	+16
1381020 04-30-60	MT JOSEPH WIS 1188192 STATES	DEAN FLINT 4508638 1-48	5-67	* 10	10	1.40	3	4.2	15,347	3.13	480	20	15,292	514	28%	+69	-8
1381027 04-23-59 STUD 31-02	IDEAL FURY REFLECTOR 1298430 STATES	3872209 1-48	5-67	* 0	23	2.13	4	10.2	18,677	3.57	666	13	17,144	577	39%	+753	+39
1381837 07-20-59	ROSEMER EUTTER 1152252 STATES	BOY PRIDE 3500390 1-31	5-67	* 10	12	1.67	1	12.0	14,236	3.67	523	24	14,595	539	21%	-49	-1
1381871 12-06-59 STUD 91-13	WOODSOURNE 1298430 STATES	GOREWOOD REFLECTOR 4416523 1-23	5-67	* 21	23	1.43	4	17.5	14,079	3.93	554	12	14,847	553	28%	-170	+2
1381970 05-12-60	ELMCKA BERTRAM 1300481 STATES	3762751 1-41	5-67	* 15	13	1.15	2	11.1	13,726	3.66	503	26	13,889	509	22%	-23	0
1382176 09-06-59 STUD 34-01	ROMANDEALE MAPLE C10218036 STATES	BARON 011345597 11-32,34,73,84,92	5-67	* 14	92	1.24	71	1.6	14,486	3.44	499	17	14,454	517	82%	+116	-11
1382261 04-25-60 STUD 23-09	SKOKIE ARCHDUKE 1288610 STATES	3935090 2-23,51	5-67	* 13	105	1.02	86	1.4	14,544	3.74	544	16	14,592	546	83%	+63	+3
1382363 04-02-60	OWEN IDEAL MAGICIAN 1138451 STATES	4327675 1-43	5-67	* 18	11	1.18	1	11.0	15,877	3.45	547	78	16,252	547	19%	-15	+1
1382667 04-21-60	GRAFTON RAVEN 1113350 STATES	BURKE 4132832 1-31	5-67	* 0	13	1.00	1	13.0	12,933	3.19	413	28	11,418	394	19%	+251	+2
1382940 11-29-59 STUD 91-11	GLENAFTON RAG 010239301 STATES	APPLE PRICRITY C10930947 4-35,41,42,46	5-67	* 17	31	1.29	27	1.2	14,246	3.50	499	13	14,290	520	62%	+31	-10
1382958 04-24-56 STUD 93-10	STEWARTHAVEN 010198998 STATES	REFLECTION SOV 010552715 4-52,82,86,93	5-67	* 6	116	1.50	14	39.3	15,689	3.54	555	70	15,475	558	50%	+214	+2
1383004 11-26-59 STUD 91-11	PINEYHILL MAJORITY 1295523 STATES	4507238 2-35,41	5-67	* 0	37	1.49	5	26.2	16,700	3.98	665	14	15,414	569	31%	+462	+32
1383028 02-06-60	EJLANE REPEAT 1150470 STATES	ELSIE LEADER 4736574 1-32	0-00	* 20	20	1.05	2	16.4	11,712	3.76	440	31	13,391	492	24%	-396	-11
1383206 03-08-60 STUD 35-02	PUGET SOUND 1279841 STATES	DON JUAN 4404452 3-34,35,91	5-67	* 9	33	1.00	31	1.1	13,723	3.65	501	12	14,153	525	62%	-216	-12
1383247 01-01-60 STUD 72-01	ECRASO GOLDEN 1148087 STATES	TOPPER 4260473 1-31	5-67	* 13	20	1.45	2	18.1	19,449	3.52	685	11	17,172	625	24%	+646	+18
1383311 07-22-59 STUD 33-03	ELL8ANK ADMIRAL 1013415 STATES	BURKE IDEAL 3472936 5-12,13,14,16,21	5-67	* 3	39	1.44	15	13.1	16,304	3.52	574	15	15,013	537	44%	+647	+19
1383380 09-26-59	BELFAGORE ARISTOCRAT 1124780 STATES	JUPITER 4170900 1-21	5-67	* 0	12	1.08	2	10.1	12,342	3.33	411	24	12,207	425	21%	+4	-3
1383468 04-20-60 STUD 34-01	SHEFFIELD CLIMAX 010260076 STATES	IMPERIAL 011181389 5-21,21,32,34,56	5-67	* 12	112	1.26	69	2.7	14,447	3.43	496	19	14,062	506	83%	+378	-6
1383551 08-24-59 STUD 35-03	ROWSDALE REFLECTION 1305460 STATES	ROYAL 010918915 14-32,35,42,48,61	5-67	* 10	634	1.44	226	5.3	14,498	3.60	522	16	14,286	520	96%	+291	+5
1383626 03-27-59 STUD 41-01	SKY ROCKET BURKE 1291724 STATES	4245050 1-41	5-67	4	70	1.11	55	1.4	13,152	3.57	469	16	13,423	481	77%	-203	-9

REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED AVERAGES		REPEATABILITY OF SIRE SUMMARY	PREOIFF MILK FAT	
NUMBER	NAME	OF	BULL		NO	REC / OAU			MILK	%	FAT	HEROMATE NO	MILK	FAT		
1363056 07-03-60	HAYSEN O V CARLO			* 15 5-67	32	1.19	4	26.3	12,819	3.28	420	42	13,525	483	26%	-181 -16
1383759 06-11-60	MEADOWFARM DELIGHT TRANSMITTER*			* 4 5-67	28	1.04	7	6.9	14,075	3.55	500	35	13,709	505	43%	+173 0
1383926 02-16-60	PAWNEE FARM REFLECTION ADMIRAL*			* 5 5-67	19	1.32	10	4.8	15,248	3.95	602	20	13,976	514	40%	+534 +36
1384242 01-03-60	BLACK STAR ROLINDA BUTTER 80Y *			* 6 5-67	17	1.06	1	17.0	14,766	3.52	520	42	15,119	542	21%	-35 -2
1384257 07-13-60	BEAU SEGIS UNIQUE			* 0 5-67	10	1.20	2	6.8	14,348	3.73	535	10	13,891	511	22%	+114 +6
1384506 11-06-59	ROTHLAND MISTER DEAN			* 12 5-67	46	1.61	42	1.1	15,231	3.53	537	21	15,220	540	73%	+144 +2
1384606 02-10-60	DOONCROFT MAJESTY			* 6 5-67	16	1.25	9	3.7	16,097	3.44	553	15	15,722	555	38%	+234 +2
1384741 08-20-60	GUMPAS R A CHUBBY			* 10 0-00	10	1.00	1	10.0	12,456	3.58	446	27	11,713	411	18%	+102 +5
1384916 10-07-59	ROMANDALE MAJESTY			* 24 5-67	19	1.16	3	13.7	15,566	3.54	551	6	15,586	567	26%	+52 -1
1385036 06-03-60	GREEN PASTURES R A MAPLE			* 1 5-67	289	1.24	182	2.4	15,341	3.51	538	19	14,423	528	93%	+951 +13
1385225 03-28-60	SKAGVALE ROYAL MONARCH			* 18 5-67	13	1.15	3	9.4	16,697	3.70	617	12	16,162	580	23%	+190 +11
1385226 07-15-60	SKAGVALE ROYAL INSPIRATION			* 3 5-67	30	1.07	6	15.3	13,788	3.38	466	32	14,171	494	33%	-99 -8
1385562 03-15-60	QUALITY ZEUS EDUCATOR			* 3 5-67	29	1.55	13	10.3	14,708	3.66	538	18	14,217	519	42%	+240 +9
1385681 04-03-60	BURKE B F TRIUNE MOORE			* 0 5-67	13	1.38	2	6.8	15,019	3.61	542	10	14,311	520	28%	+227 +7
1385993 05-18-60	INGLIS SENTRY			* 2 5-67	65	1.58	61	1.1	14,790	3.76	556	19	15,004	541	79%	-38 +16
1386036 07-26-59	ALBRECHT DISTINCTION MONARCH			* 4 5-67	71	1.38	56	1.7	14,005	3.56	498	14	13,502	477	78%	+405 +16
1386128 07-20-60	EXRANCO RAG APPLE MAPLE			* 0 5-67	11	1.09	3	5.1	17,322	3.46	600	144	15,090	550	26%	+628 +15
1386179 08-04-60	RENSINK SKYLARK HOMESTEAD			* 0 5-67	11	1.18	1	11.0	13,291	3.77	501	12	12,789	467	19%	+85 +6
1386287 09-05-60	E M C ROCKY ROYAL			* 5 5-67	21	1.10	5	10.0	18,873	3.31	625	40	16,502	569	32%	+851 +20
1386291 07-15-60	DIX HILL HYATT GOVERNOR			* 0 5-67	17	1.29	6	3.8	15,927	3.75	597	42	16,792	607	40%	-206 +1
1386406 10-20-59	OEE ANN RAG APPLE MAPLE			* 11 5-67	337	1.28	173	3.8	14,918	3.67	547	15	14,150	515	93%	+786 +32
1386654 08-06-60	THONYMA INSTRUCTOR			* 28 5-67	29	1.07	23	1.5	14,198	3.64	517	25	15,490	563	58%	-620 -21
1386817 07-12-60	HOKELAND BUTTER 80Y KING			* 5 5-67	21	1.43	2	10.7	12,148	3.55	431	42	13,477	455	33%	-431 -8
1386858 09-05-60	CLANYARD ADMIRAL JIM BEY			* 0 5-67	56	1.13	49	1.2	14,184	3.60	510	18	14,154	522	74%	+81 -5
1386859 09-19-60	CLANYARD RAG APPLE TRI-VIC			* 0 5-67	42	1.31	33	1.6	14,790	3.64	538	22	13,674	508	68%	+780 +22
1387097 05-11-60	RIGHTAN LAD MOSE			* 0 5-67	15	1.20	1	15.0	14,705	3.46	509	16	13,846	501	21%	+188 +2
1387155 08-22-60	CHEERYLANES ARISTOCRAT			* 0 5-67	19	1.21	1	19.0	14,570	4.06	592	11	15,415	589	22%	-138 +3
1387634 09-24-60	WILLOWDALE PRINCE CRITERION			* 0 5-67	13	1.08	2	11.1	15,487	3.47	538	8	15,904	556	21%	-33 -1
1387834 11-13-59	DIAMONO S SIR CANVAR 8VAR			* 5 5-67	22	1.55	4	10.0	16,494	3.65	602	101	16,227	595	36%	+198 +6



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREO OIFF FAT		
NUMBER	NAME	OF BULL	NO		REC / OAU	MILK			%	FAT	HEROMATE NO	AVERAGES MILK	FAT	OF SIRE SUMMARY				
1388256 12-16-56 STUO 91-11	KYLAND GALLANT 1265166 STATES 2-33,35	COUNT 3282597	5-67	*	5	23	1.65	5	11.7	15,920	3.93	625	17	15,587	574	35%	+193	+21
1388295 07-10-60	ELM-BECCA LAUREL 1189870 STATES 2-23,51	IVAN 3586734	5-67	*	0	12	1.17	4	7.0	13,912	3.54	493	11	13,193	480	25%	+176	+3
1388325 08-08-60	HALMARK' PIRATE 1340059 STATES 1-41	4338784	5-67		0	10	1.00	9	1.2	12,216	3.48	425	12	12,586	449	33%	-145	-8
1388577 07-30-60 STUO 91-13	BAILANO BURKE 1090981 STATES 3-81,82,91	HEILO 80Y 3365081	5-67		2	49	1.14	37	1.6	14,531	3.38	491	15	14,344	515	70%	+201	-14
1388721 09-26-60 STUO 35-75	LAVACRES OUSTY 1205185 STATES 1-48	MERRIT 4151544	5-67	*	9	44	1.39	5	36.4	15,616	3.80	593	34	13,912	522	29%	+501	+2
1388747 08-29-60	KYLAND PREMIER 1126392 STATES 1-41	CAPTAIN-TWIN 3359684	5-67	*	18	11	1.18	3	7.5	17,425	3.44	600	10	17,146	600	23%	+151	+3
1388790 03-01-60 STUO 23-11	RAVEN AG8 IDEAL 1113350 STATES 1-22	BLACKIE 2604550	5-67	*	14	36	1.14	23	2.0	14,909	3.55	530	32	15,069	556	62%	+7	-11
1388896 05-15-60 STUD 23-09	PENSTATE BUTTER 80Y 1152252 STATES 4-22,23,50,51	3279562	5-67	*	12	228	1.64	170	1.7	13,457	4.04	543	16	14,192	535	93%	-602	+12
1388897 10-27-60	WILLMONT MAGIC 1138451 STATES 2-34,64	AN0Y 3438087	5-67	*	0	14	1.14	6	3.0	15,266	3.53	539	8	14,025	497	36%	+472	+16
1388982 08-20-60 STUO 51-02	FAIR HILL OELLA DART 1151349 STATES 8-31,43,51,52,54	3267041	5-67		7	135	1.09	87	2.6	14,072	3.68	518	18	13,591	503	85%	+428	+14
1389269 11-10-60	MONARCHIAL SIGNET PAT 010249530 STATES 1-41	3914720	5-67	*	14	27	1.07	12	3.7	13,019	3.80	495	11	13,350	495	50%	-164	0
1389355 07-21-60	LONGCLIFF WIS PABST 1144239 STATES 1-32	4361940	5-67		8	12	1.00	1	12.0	13,427	3.49	468	15	11,548	390	19%	+316	+13
1389368 10-05-60 STUD 21-10	GLAOTIME SUNNY 1085978 STATES 2-13,21	SERGEANT-TWIN 3594768	5-67		9	48	1.25	46	1.0	16,337	3.59	586	21	15,562	564	72%	+718	+21
1389369 10-05-60 STUO 21-10	GLAOTIME SUNNY 1085978 STATES 3-13,21,23	SEXTON-TWIN 3594768	5-67	*	0	52	1.35	48	1.1	15,461	3.60	556	21	15,353	548	74%	+228	+10
1389471 06-12-60 STUO 21-10	IOEOGRAPH F08ES KENNEDY 1223243 STATES 11-12,13,21,23,86	4254275	5-67	*	5	163	1.02	131	1.7	16,175	3.50	566	23	15,773	571	88%	+567	+3
1389525 06-22-60	WAKEFIELD ARISTOCRAT 8UD 1124780 STATES 1-31	3821521	5-67	*	0	12	1.17	1	12.0	14,349	3.66	525	12	13,557	476	19%	+158	+9
1389556 05-27-60	MASSILLON SYLVIVS MAGICIAN 1138451 STATES 1-31	3188256	5-67	*	17	27	1.07	4	14.3	12,682	3.52	446	53	13,506	454	32%	-256	-3
1389632 11-29-60 STUO 91-11	LUXWOOD CARNATION MASTER 1305460 STATES 3-35,41,42	3367238	5-67		9	55	1.02	45	1.5	14,047	3.50	491	11	13,453	485	72%	+435	+4
1389636 11-05-60 STUO 41-01	ALBRECHT REX WILL 1297169 STATES 2-41,45	2925648	5-67		10	40	1.05	36	1.3	13,143	3.55	467	16	13,111	473	65%	+5	-4
1390249 09-26-60 STUO 35-05	CARNATION ROYAL NOBEL 1305460 STATES 2-33,35	3942039	5-67	*	5	41	1.54	19	3.3	14,683	3.43	503	19	14,432	518	64%	+231	-7
1390505 08-25-60 STUO 48-01	VALLA VISTA PROVO CAREY 1106455 STATES 1-48	4425760	5-67		13	18	1.00	14	1.5	12,858	3.57	459	21	12,972	460	46%	-68	-1
1390582 09-19-60	CARLINS HILLTOP FONO MAJOR 1243657 STATES 2-47,48	3428211	5-67	*	15	20	1.30	5	5.9	13,272	3.72	494	18	13,578	488	39%	-109	+2
1390692 10-17-60	CHRISTY CONFIOENT 1141851 STATES 1-35	4471967	5-67	*	21	14	1.36	3	6.4	12,690	3.59	455	12	12,957	465	30%	-92	-3
1391084 09-04-60	HAROEN FARMS 1315498 STATES 1-21	NOEL AOJUOICATOR 4227551	5-67		5	25	1.00	1	25.0	14,898	3.32	494	19	16,203	540	22%	-219	-8
1391173 10-26-60 STUO 48-01	CORLAN FARMS 1189870 STATES 1-48	IVANHCE DEACON 2939718	5-67		9	158	1.22	85	2.7	14,227	3.49	496	17	13,717	495	87%	+476	+2
1391379 09-08-60	SUMMIT HOME DRUMMER LAOD 1326835 STATES 1-22	3993532	5-67		10	10	1.00	1	10.0	11,105	4.15	461	28	11,703	461	18%	-134	0
1391447 10-20-60 STUO 35-05	GARMWOOD IVANHCE 1189870 STATES 4-32,33,35,42	4592034	5-67	*	0	15	1.20	13	1.4	14,362	3.45	496	12	14,111	520	43%	+140	-8
1391448 10-06-60 STUO 23-11	GARMWOOD DEAN RAG APPLE 1099477 STATES 1-23	3437570	5-67	*	11	188	1.33	126	1.8	14,002	3.71	520	16	14,878	542	90%	-653	-14
1391977 11-24-59 STUO 91-13	ROMANOALE PINEY HILL PONTIAC 010264804 STATES 6-15,22,23,41,93	011254853	5-67	*	4	24	1.38	9	11.0	16,868	3.46	583	24	16,492	590	35%	+243	+1

REGISTRATION				INC %	NO	DAUGHTERS REC / OAU		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED HEROMATE AVERAGES		REPEATABILITY OF SIRE SUMMARY		PREO OIFF MILK FAT	
NUMBER	NAME	OF	SULL							MILK	%	FAT	NO	MILK	FAT		MILK	FAT
1392003 12-03-60	RIOGELY GOLDEN 1148087 3122911 STATES 2-13,21	80Y		* 5-67	8	12	1.33	3	8.5	14,034	2.74	525	20	14,206	511	24%	-20	+4
1392018 08-16-60	BURKE PEHRSONS 1197317 4056C45 STUD 41-01 STATES 1-41	CARNATIGA-TWIN		* 5-67	14	25	1.20	21	1.8	12,124	4.60	437	22	12,717	460	54%	-356	-13
1392106 01-16-60	PIETJE WOODROCK 010244133 011143783 STUD 91-11 STATES 3-33,42,84	BARONET		* 5-67	10	23	1.26	10	6.1	15,009	3.58	537	12	14,336	538	41%	+319	+2
1392115 08-26-60	EL CAMINO REAL 130546C 2552554 STUD 93-05 STATES 3-82,86,93			* 5-67	5	47	1.04	13	6.6	15,973	3.55	567	111	16,828	609	57%	-286	-16
1392322 09-11-60	LOS ROBLES OARKIE 1236850 3411779 STATES 1-93	SIR PAT		* 5-67	25	16	1.00	1	16.0	13,496	3.51	474	62	15,486	545	20%	-353	-12
1392456 12-10-60	WAYWOOD GALE 1319897 4458806 STATES 1-31	CREATOR		* 5-67	40	10	1.10	1	10.0	11,607	3.22	374	8	14,967	499	18%	-581	-22
1392562 01-25-61	SUNNYSIDE ANNETTE 1113350 3780372 STUD 35-05 STATES 1-33	BURKE IOEAL		* 5-67	30	11	1.00	4	4.0	14,924	3.50	523	20	15,194	554	28%	-23	-6
1392654 08-05-60	HWCACRES REFLECTOR 1298430 3697471 STUD 23-09 STATES 2-12,13	MODEL		* 5-67	6	21	1.00	13	2.1	14,391	4.02	579	16	15,710	606	47%	-513	-6
1392733 08-23-60	ORMS8Y MECHTHILOE 1244845 3063947 STUD 33-03 STATES 13-23,34,35,41,42	SKYMGUR		* 5-67	4	23	1.00	21	1.1	14,284	3.43	490	13	14,345	510	53%	+20	-8
1392774 12-19-60	FERNHAME IVANHOE 1189870 3227192 STUD 31-02 STATES 13-23,31,51,52,54	EMPEROR		* 5-67	6	497	1.11	267	2.7	13,921	3.74	520	17	13,599	511	95%	+330	+11
1392859 12-20-60	NG-NA-ME FONO MATT 1243697 3580419 STUD 31-01 STATES 2-31,48			* 5-67	4	28	1.00	17	2.1	16,051	3.71	596	25	15,263	559	55%	+534	+24
1392859 11-09-60	MICLANO MAGIC 1138451 2732246 STUD 93-03 STATES 1-93	8 K OICTATOR		* 5-67	0	11	1.18	1	11.0	15,016	3.78	567	219	15,367	558	19%	-28	+3
1393031 12-17-60	KILINSOALE IVANHOE 1189870 3969575 STUD 23-09 STATES 1-14	JACK		* 5-67	5	20	1.30	8	5.0	18,190	3.39	617	19	16,440	613	41%	+840	+7
1393645 12-19-60	CASWELL WILL COLANTHUS 1174788 3729193 STUD 31-01 STATES 2-31,55	JIM		* 5-67	21	35	1.00	17	2.7	16,336	3.58	585	37	16,360	598	58%	+161	0
1393721 09-14-60	CULVER LAO OICTATOR 1160414 3975343 STUD 32-02 STATES 1-32	AJAX		* 5-67	17	13	1.00	6	3.6	14,128	3.62	512	21	14,716	542	32%	-143	-7
1394162 01-28-61	DAVENPORT EMPEROR 1212420 3284253 STUD 42-02 STATES 3-35,42,73			* 5-67	29	17	1.06	16	1.1	13,308	3.55	473	13	14,208	512	46%	-374	-16
1394292 12-24-60	ROSNI CONQUEROR 1124780 3632376 STUD 23-11 STATES 1-23	ARISTOCRAT		* 5-67	13	134	1.16	99	1.7	14,019	3.71	520	17	14,642	532	87%	-427	-5
1394339 11-06-60	ROBINWAY SKY KING 1244845 4263991 STATES 1-35			* 5-67	10	10	1.30	1	10.0	17,693	3.56	630	19	16,682	581	19%	+257	+11
1394348 07-16-60	LONE RANCH IDEAL 933122 3311904 STUD 35-75 STATES 2-21,23	KATE WARO		* 5-67	0	15	1.60	5	8.3	18,907	3.43	649	25	16,913	589	30%	+705	+21
1394393 08-24-60	CACHE ACRES REFLECTOR 1298430 3254874 STATES 1-93	CAESAR		* 0-00	9	11	1.00	2	5.9	17,739	3.43	608	117	15,593	575	24%	+573	+10
1394750 11-23-60	AL-MUR NEPTUNE 1214152 4561819 STATES 1-42	ADMIRAL		* 0-00	0	10	1.10	2	5.0	8,988	3.60	324	11	9,448	339	25%	-207	-6
1395068 06-16-60	REDDING QUEEN 1190632 3604773 STATES 1-32	WALLIE		* 5-67	0	11	1.27	1	11.0	14,010	3.63	509	9	12,630	468	20%	+255	+8
1395071 12-10-60	WAYBROOK PARAMOUNT-TWIN 1243697 5245054 STUD 23-09 STATES 1-21			* 5-67	0	18	1.44	6	6.6	15,355	3.89	597	14	16,903	608	36%	-430	0
1395116 08-21-60	TIOY BURKE MAINSPOKE 1329249 3825990 STATES 1-48			* 5-67	0	15	1.20	3	11.4	18,249	3.55	648	9	17,610	635	24%	+255	+7
1395357 12-07-60	LAVACRES OICTATOR 1204163 4616594 STATES 2-86,92	PRESCOTT		* 5-67	7	28	1.04	5	15.2	18,185	3.41	621	19	17,816	607	31%	+256	+8
1395431 01-01-61	BEAU ROBARON HAYDEN 1313355 3355250 STATES 1-41			* 5-67	45	11	1.00	1	11.0	12,977	3.20	415	4	11,185	400	18%	+287	+1
1395551 07-23-60	MEISEGEIER C J 1262986 4172401 STATES 1-35	CREATOR		* 5-67	6	17	1.29	1	17.0	12,148	3.97	482	23	12,479	446	22%	-90	+7
1395837 11-20-60	ROMANOALE COUPON 010257174 011296221 STATES 1-93			* 5-67	10	33	1.06	3	11.9	16,515	3.85	636	19	15,567	561	39%	+458	+32
1395838 09-27-60	ROMANOALE CELEBRITY 010198958 011041914 STUD 34-01 STATES 1-35			* 5-67	7	16	1.44	4	6.7	13,269	4.07	540	14	14,978	579	33%	-513	-9

REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREO	
NUMBER	NAME	OF	SULL		NO	REC / OAU			MILK	%	FAT	HEROMATE NO	AVERAGES MILK	FAT	SIRE SUMMARY	MILK	FAT
1395856 12-11-60	MAYERS DUKE 1293580 STATES	MAJESTY 3784070 1-42	LESTER 5-67	* 0	12	1.50	3	5.5	13,329	3.68	491	10	13,678	511	30%	-93	-4
1395908 10-26-60	SMITHOLM R 1298430 STUO 35-05	LESTER 4052242 STATES 2-21,23	5-67	* 0	12	1.17	6	2.6	13,358	3.56	475	17	14,832	528	34%	-447	-16
1396355 09-03-60	SUNNYOECK 1203206 STATES	HEILO PA8ST 4174373 1-91	KENNY 0-00	* 0	11	1.00	4	5.0	16,853	3.19	538	44	17,095	569	26%	+34	-5
1396740 08-27-60	ZIMMERMAN 1261857 STUO 35-75	PILOT STAR 4648404 STATES 1-41	SY8 5-67	0	19	1.37	1	19.0	19,194	3.77	724	6	16,200	613	23%	+741	+28
1396885 11-14-60	SKYWAY VALLA 1344345 STUO 33-03	VISTA OOU8LE 4496001 STATES 3-35,41,86	5-67	* 6	18	1.17	6	5.7	15,181	3.75	569	31	14,429	537	36%	+308	+13
1397041 02-04-61	HOMEWORTH 1343674 STATES	SAM SEVEN 4771110 1-31	5-67	21	19	1.32	1	19.0	14,605	3.62	529	3	15,238	534	22%	-98	0
1397054 11-12-60	HARMONY CREST 1189870 STUO 35-03	FANCY KING 4245161 STATES 2-23,51	5-67	* 5	20	1.00	7	10.1	13,442	3.75	504	43	13,735	529	30%	-75	-5
1397088 01-20-61	EXRANCO FOND 10218036 STUO 93-03	MARKSMAN 3596419 STATES 1-93	5-67	0	16	1.00	1	16.0	16,741	3.73	624	223	15,503	567	20%	+289	+13
1397089 01-28-61	EXRANCO RAG 10218036 STUO 93-03	APPLE SPARTACUS 4765048 STATES 1-93	5-67	0	19	1.05	1	19.0	16,604	3.62	601	223	15,158	557	21%	+340	+11
1397209 01-15-61	ST CROIXCC 1189870 STUO 35-02	PICNEER 3676388 STATES 1-35	5-67	* 6	15	1.13	8	5.5	17,306	3.74	648	21	16,354	615	33%	+417	+15
1397214 02-28-61	OOREIGH FARMS 1336838 STATES	GENERAL LUKE 3293543 1-21	5-67	* 0	12	1.00	3	4.1	14,000	3.58	501	20	12,960	454	29%	+291	+13
1397397 10-04-60	FILCO GOLOEN 1339425 STATES	PONTIAC 4616014 3-41,42,45	5-67	* 0	14	1.14	6	6.1	14,312	3.26	467	16	12,874	454	30%	+410	+3
1397517 10-31-60	8RIGEEN CHIEF 1189870 STUO 33-03	FLYING CLOUD 3862151 STATES 12-11,13,14,16,21	5-67	* 18	134	1.16	53	6.7	15,583	3.81	594	18	16,033	599	79%	-144	+5
1397561 07-25-60	PETERS FARM 1189870 STUO 35-75	MARKSMAN IVANHOE 4581126 STATES 1-23	5-67	* 8	12	1.08	1	12.0	17,282	3.55	614	15	16,032	595	19%	+288	+6
1397752 08-19-60	ZELOENRUST 1305460 STUO 34-01	ROYAL PONTIAC 2649438 STATES 28-21,32,34,42,51	5-67	* 10	877	1.18	446	3.5	14,158	3.41	483	19	14,738	528	97%	-428	-39
1398117 06-26-60	M V 8 A PROFILE 1169417 STUO 41-01	ELLA PETE-TWIN 4203258 STATES 2-41,45	5-67	7	28	1.39	23	2.0	12,807	3.64	466	22	13,417	481	58%	-349	-8
1398118 09-29-60	M V 8 A WALKER 1136905 STUO 41-01	KNOLL8IOE WALLY 4011839 STATES 1-41	5-67	10	10	1.40	9	1.2	13,022	3.63	473	22	12,603	456	35%	+122	+5
1398134 09-14-60	CASH-MAR 1333526 STATES	HEAOLINER KORNOYKE 3845664 1-32	5-67	* 8	26	1.35	2	24.0	15,194	3.54	538	21	15,918	548	25%	-115	0
1398216 10-09-60	SKOKIE CHAMPION 1199324 STUO 33-03	3099075 STATES 13-11,21,23,35,41	5-67	* 7	41	1.02	37	1.1	14,620	3.57	522	15	14,059	513	67%	+423	+8
1398363 01-06-61	TYLER FARMS 1148993 STUO 21-10	MOOEL INSPECTOR 2986016 STATES 3-11,12,13	5-67	* 14	58	1.00	50	1.3	14,214	3.74	531	17	14,105	528	74%	+135	+5
1398429 01-28-61	LONDON OHIO 1060490 STATES	GRAN KING 4082339 1-31	5-67	* 16	19	1.11	2	17.1	15,565	3.61	562	35	16,854	617	23%	-210	-8
1398510 12-11-60	KIMVALE SEARS 1085978 STUO 21-10	MASTER RICHARD 4345425 STATES 3-13,21,22	5-67	4	24	1.08	22	1.1	16,095	3.49	561	23	15,441	557	55%	+473	+6
1399061 12-19-60	M V 8 A WALKER 1136905 STUO 41-01	POLLY ART 3988198 STATES 2-41,45	5-67	11	21	1.10	18	1.3	11,375	3.68	419	20	12,681	457	51%	-697	-20
1399314 02-12-60	A-HOPEN REFLECTOR 1298430 STATES	LAO 3444853 1-32	5-67	17	17	1.24	1	17.0	15,308	3.64	557	1	14,196	515	21%	+256	+10
1399385 08-18-60	GRAY VIEW SKY CHIEF 1244845 STUO 33-03	3882120 STATES 23-21,23,33,35,41	5-67	* 11	114	1.15	94	1.6	13,049	3.69	482	17	14,185	513	85%	-890	-23
1399824 11-26-60	HILLTOP APOLLO 1189870 STUO 23-09	IVANHOE 4412249 STATES 5-22,23,50,51,55	5-67	* 4	168	1.27	138	1.4	15,348	3.76	577	16	14,231	536	90%	+1079	+41
1399945 02-25-61	MINALOO TRIUNE 923749 STUO 21-10	TRIUMPH 3610458 STATES 2-13,21	5-67	2	41	1.05	41	1.0	14,304	3.66	524	18	15,056	538	68%	-392	-5
1399980 07-12-60	WOOD8IOE FARM 1038509 STUO 23-11	SEELEY BURKE 4612328 STATES 2-21,23	5-67	* 8	323	1.22	216	2.0	14,035	3.76	528	18	14,476	543	94%	-308	-8
1400242 04-05-61	MEOOPINE FAYNE 1226459 STATES	JEWEL 3000904 1-91	5-67	9	11	1.00	2	9.1	12,113	3.96	480	11	14,284	559	20%	-415	-13



REGISTRATION				INC %	DAUGHTERS		NO OF HERDS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED	
NUMBER	NAME	OF BULL	NO		REC / DAU	MILK			%	FAT	HERDMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY	DIFF MILK	FAT	
1400519 02-20-61	BUTZRIDGE 1293580 STATES	PERRY DUKE 4549086 1-33	* 0 0-00	10	1.00	2	5.8	14,085	3.70	521	15	14,012	488	23%	+31	+7	
1400575 05-18-60	GLENAFTON 010249530 STUD 35-03	CLARION 011116870 STATES 3-35,61,65	* 10 5-67	49	1.37	37	1.6	15,738	3.36	529	17	14,037	512	72%	+1267	+14	
1400686 11-18-59	TIDY BURKE 1329249 STUD 33-03	CULMINATION 2948519 STATES 21-21,23,35,43,48	* 12 5-67	76	1.08	65	1.5	14,963	3.38	506	17	14,531	522	78%	+430	-9	
1400915 01-04-61	VIGO LEADER 915940 STATES	8ELLRINGER 3597387 1-41	* 17 5-67	12	1.25	1	12.0	11,054	3.62	400	17	10,987	397	20%	-33	0	
1400956 11-03-60	SOUTHWIND 1229322 STATES	CRESCENT ADMIRAL 3168170 1-74	* 17 5-67	12	1.08	2	10.1	13,053	3.29	429	21	14,062	475	21%	-194	-9	
1401119 09-16-60	TABUR LEEHOLM 1278342 STATES	RAG APPLE MAPLE 4766861 1-74	* 20 0-00	10	1.20	1	10.0	12,379	3.43	424	19	14,003	468	19%	-289	-8	
1401503 03-05-61	FERDALE 1362756 STATES	PRINCE TOPPER 4151232 1-23	* 11 0-00	10	1.10	3	6.6	14,229	3.58	509	27	16,489	606	22%	-427	-18	
1401506 02-21-61	MONCONY 1124780 STUD 55-01	ARISTOCRAT ASTRONAUT 3573017 STATES 1-55	* 12 5-67	18	1.06	6	4.6	16,361	3.64	596	55	17,264	619	37%	-191	-3	
1401553 04-19-61	LEA INN 1361460 STATES	PROFILE REGAL CHIPPER 4486661 1-42	* 8 5-67	15	1.00	3	11.4	14,236	3.85	548	15	14,676	582	23%	-69	-5	
1401694 01-01-61	PINEHURST 1286826 STATES	ADMIRAL EARL 3509763 1-42	* 0 5-67	12	1.25	2	10.1	14,195	3.35	476	12	15,138	511	22%	-165	-6	
1402019 03-19-61	BURMA BURKE 1244845 STATES	SKYLINER 4151114 1-41	* 11 5-67	10	1.00	3	5.4	13,039	3.73	486	14	13,913	501	23%	-189	-2	
1402113 07-12-60	GLENAFTON 010249530 STUD 41-25	RAG APPLE DYNAMIC C10622770 STATES 1-41	* 0 5-67	14	1.29	2	10.5	17,196	4.10	705	12	15,099	582	24%	+550	+32	
1402122 06-05-59	80-LAN LEADER 1188528 STATES	MO 3194883 1-48	* 13 5-67	17	1.12	2	9.2	13,806	3.65	504	26	13,632	500	29%	+57	+2	
1402201 08-17-60	IVY LODGE 010233528 STUD 23-11	INKA REFLECTION 010981884 STATES 1-22	* 9 5-67	126	1.36	69	3.1	14,424	3.63	524	29	14,500	535	84%	+32	-4	
1402574 09-16-60	SISSON FARMS 1244845 STATES	DELLA SKYROCKET 3744295 1-56	* 7 5-67	14	1.14	1	14.0	16,767	3.35	561	18	15,737	546	20%	+255	+4	
1402655 03-02-61	S P S M INKA 1247237 STATES	CHAMPION 3487810 1-34	* 43 5-67	14	1.00	2	12.1	10,545	3.68	388	57	11,922	433	21%	-318	-10	
1402763 11-25-60	GRAY VIEW SKY 1244845 STATES	80LT 4156554 1-35	* 9 5-67	11	1.27	1	11.0	15,968	3.78	603	16	16,860	606	20%	-105	+2	
1403153 02-09-60	COON TRAIL 1322185 STATES	DUNLOGGIN PROFESSOR* 3944195 2-31,57	* 15 5-67	13	1.23	3	7.0	16,241	3.23	524	46	15,952	508	27%	+148	+5	
1403264 03-21-61	CHAPEL BANK 1124780 STATES	IMPRINT 4510152 1-21	* 38 5-67	17	1.00	1	17.0	12,749	3.71	473	11	14,587	520	20%	-345	-8	
1403382 03-20-60	ROSEOW WORTHY 1124780 STUD 31-01	PLATO 4700313 1-31	* 11 5-67	35	1.31	25	1.6	15,179	3.91	594	17	14,117	515	64%	+727	+52	
1403574 09-30-60	MAYGATE DE KOL 1038509 STATES	TRANSMITTER 3638888 1-42	* 0 5-67	10	1.20	2	8.2	14,399	3.70	533	38	12,274	429	21%	+413	+20	
1403582 05-23-61	SWALL FARMS 1305460 STATES	ROYAL GEM 4136108 1-51	* 0 5-67	10	1.00	1	10.0	14,623	3.61	528	12	14,379	535	18%	+61	0	
1403692 04-03-61	MERIWETHER 1189870 STUD 21-10	IRA ROSE-TWIN 3754981 STATES 2-13,21	* 6 5-67	66	1.08	57	1.3	14,917	3.69	551	21	14,949	532	76%	+97	+18	
1403693 04-03-61	MERIWETHER 1189870 STUD 21-10	IVAN ROSE-TWIN 3754981 STATES 2-13,21	* 5 5-67	22	1.05	22	1.0	14,830	3.58	531	17	15,030	533	53%	-16	+1	
1403934 01-20-61	ESTELLE SPERGER 1261140 STUD 41-01	COMMANDO 4223710 STATES 1-41	* 21 5-67	14	1.00	9	3.1	12,189	3.67	447	38	12,534	464	35%	-148	-6	
1404007 05-05-61	PINEHURST SYMBOL 1244845 STUD 31-01	POSCH 3051175 STATES 1-31	* 20 5-67	30	1.00	19	1.8	12,905	3.82	493	19	14,500	532	57%	-846	-19	
1404202 08-03-60	COLLINS-CREST 1038509 STUD 21-10	8UDDY BURKE 4201732 STATES 3-13,21,23	* 3 5-67	78	1.38	75	1.0	16,501	3.36	554	20	14,982	533	81%	+1369	+21	
1404428 01-20-61	PUGET SOUND 1315253 STUD 91-13	CORRELATION 4472478 STATES 2-82,91	* 14 5-67	28	1.07	22	1.5	14,010	3.67	514	18	14,859	540	57%	-398	-11	
1404687 11-06-60	DEE ANN ROEBUCK 1304176 STUD 33-03	BARON 3553202 STATES 4-35,55,73,84	* 6 5-67	22	1.09	5	14.9	12,276	4.12	506	32	15,310	561	27%	-768	-12	

REGISTRATION					INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREO OFF MILK	FAT
NUMBER	NAME	OF	BULL	NO		REC / OAU	MILK			%	FAT	HEROMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY			
1404788	00N AUGUR MOTHERMARTHAS	PROMIS*	0	13	1.54	3	6.8	20,873	3.87	808	16	20,210	734	29%	+394	+29		
01-15-60	1152252	3692153	5-67															
STUD 35-75	STATES	2-16,21																
1404795	SHANGHIGH HI-BOY CHAMP	*	9	174	1.07	123	1.8	14,105	3.71	524	16	14,219	534	89%	-24	-4		
09-01-60	1292681	4046480	5-67															
STUD 23-09	STATES	3-23,31,55																
1404918	0EE ANN MAPLE 08SIOIAN	*	6	21	1.29	1	21.0	13,406	3.27	439	93	13,038	450	23%	+76	-2		
11-19-59	010218036	4679686	5-67															
	STATES	1-86																
1404931	SUEDALE BUCKY T	*	2	52	1.12	51	1.0	15,468	3.45	534	19	15,072	537	73%	+414	+1		
12-13-60	1038509	3676432	5-67															
STUD 21-10	STATES	1-21																
1404955	REYNOLAND SENOR PEDRO	*	9	35	1.11	34	1.0	15,481	3.56	551	20	15,505	548	64%	+123	+6		
02-12-61	1085578	4034865	5-67															
STUD 21-10	STATES	2-13,21																
1404968	SUNSHINE VALLEY EVA JOE	*	8	12	1.25	1	12.0	12,886	3.56	459	7	12,546	471	20%	+51	-2		
01-22-61	1237666	4210457	5-67															
	STATES	1-35																
1405489	CAPTAIN BURKE MONARCH DESIGN	*	8	12	1.25	1	12.0	17,369	3.59	624	11	16,210	584	20%	+286	+10		
03-10-61	1332860	4439864	5-67															
	STATES	1-43																
1405530	8LENO INKA BURKGOV	*	7	34	1.09	22	2.0	13,993	3.52	492	23	13,664	496	60%	+217	-1		
09-16-60	1038509	4585964	5-67															
STUD 48-01	STATES	1-48																
1405531	RE BLEND BESS BURKE	*	14	16	1.13	2	12.5	14,807	3.44	510	12	14,843	525	24%	+27	-2		
02-02-61	1381027	5107055	5-67															
	STATES	1-48																
1405564	8EACON BU88LES OICTATOR	*	7	15	1.00	1	15.0	13,593	3.59	488	21	16,020	578	20%	-425	-15		
05-17-61	1245728	4318557	0-00															
	STATES	1-23																
1405746	FLYNN FIELO FEJA JESS	*	0	14	1.00	1	14.0	14,196	3.47	493	10	14,794	519	19%	-87	-3		
10-05-60	1350157	4820611	5-67															
	STATES	1-47																
1405750	MASSIVE HILLS MAGICIAN HILL	*	5	22	1.00	8	9.3	13,543	3.67	497	49	14,516	528	33%	-283	-8		
01-28-61	1138451	3277829	5-67															
STUD 63-01	STATES	1-63																
1406152	ORCHARD OAIRY IVANHOE KING	*	14	14	1.00	2	12.1	16,511	3.58	591	20	16,234	610	21%	+119	0		
04-25-61	1189870	4213993	5-67															
	STATES	2-22,23																
1406172	CALJUNE OIEHL CARNATION	*	0	11	1.18	1	11.0	12,396	3.57	443	5	12,686	489	19%	-67	-8		
06-06-61	1357760	4299738	0-00															
	STATES	1-48																
1406198	F08ES BUTTERCUP 8EAUTY	*	10	10	1.10	1	10.0	17,547	3.70	649	55	15,590	584	18%	+397	+14		
05-19-60	1233482	4064914	5-67															
	STATES	1-42																
1406271	HARBORCREST SUNSHINE	*	9	117	1.02	73	2.2	15,773	3.68	581	17	14,920	536	83%	+841	+42		
02-26-61	1113350	4141507	5-67															
STUD 31-02	STATES	11-31,43,55,64,71																
1406272	HARBORCREST MOOEL	*	0	15	1.07	1	15.0	15,329	3.37	517	19	14,308	476	20%	+223	+8		
03-04-61	1281049	4818989	0-00															
	STATES	1-31																
1406305	MANCRYO JAI-CEE HOMESTEAD	*	20	10	1.30	1	10.0	13,108	3.72	488	16	14,276	537	19%	-205	-7		
03-14-60	1216136	3522093	5-67															
	STATES	1-47																
1406344	HOLTZINGER TOO	*	0	18	1.44	1	18.0	14,289	3.81	545	10	13,784	504	22%	+123	+10		
09-01-59	1115686	3653660	5-67															
	STATES	1-23																
1406501	STONYBANK RAVEN SUPREME	*	8	12	1.08	1	12.0	11,317	3.31	375	21	11,688	395	19%	-101	-5		
10-28-60	1179373	4815258	5-67															
	STATES	1-48																
1406860	PENSTATE LUCIFER S REFLECTION	*	9	11	1.09	1	11.0	11,319	3.96	448	5	13,169	466	19%	-347	-3		
03-27-61	1270143	3461636	5-67															
	STATES	1-23																
1406895	SKOKIE CORONET CLIMAX	*	10	20	1.00	1	20.0	16,661	3.60	599	56	15,187	596	21%	+345	+3		
04-14-61	1382768	4291082	0-00															
	STATES	1-47																
1407266	TYLER FARMS IVANHOE MASTER	*	7	55	1.00	45	1.5	14,542	3.78	549	17	14,839	551	72%	-106	+3		
07-03-61	1189870	3742261	5-67															
STUD 21-10	STATES	2-12,13																
1407387	HALLCREST FOLLOW ON F08ES	*	31	16	1.00	8	2.3	11,599	3.62	420	28	12,749	452	40%	-485	-13		
07-07-61	1142734	3548102	5-67															
STUD 63-01	STATES	1-63																
1407496	LEADER VALE OF A 8	*	18	11	1.00	2	9.1	10,072	3.53	356	46	12,389	447	20%	-482	-18		
03-27-61	1234517	4684090	5-67															
	STATES	2-35,42																
1408057	LA KO LAND JERRY AAGGIE	*	40	10	1.00	1	10.0	14,406	3.45	497	19	15,068	538	18%	-86	-5		
05-16-61	1138441	3667701	5-67															
	STATES	1-34																
1408080	CHATEL BANK WORTHY SPANGLE	*	3	30	1.00	26	1.3	16,093	3.48	560	19	15,168	543	59%	+651	+13		
08-03-61	1124780	3215754	5-67															
STUD 21-10	STATES	3-13,21,23																
1408215	WAPA EXCELLENCY CAESAR	*	18	12	1.00	1	12.0	16,012	3.43	549	30	15,907	535	19%	+67	+3		
01-14-61	1250230	4323604	5-67															
	STATES	1-31																
1408583	SPRUCEGATE RAG APPLE MATAOODR	*	4	47	1.00	44	1.1	14,946	3.53	527	21	15,629	558	70%	-317	-16		
06-12-61	010218036	3909669	5-67															
STUD 21-10	STATES	3-13,21,23																

REGISTRATION			INC %	DAUGHTERS		NO OF HERDS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED HERDMATE NO	AVERAGES		REPEATABILITY OF SIRE SUMMARY	PRED DIFF	
NUMBER	NAME	OF BULL		NO	REC / DAU			MILK	%	FAT		MILK	FAT		MILK	FAT
1408675 02-27-61	HICKORYMOOR 1216567 STATES	DUKE MASTER 4187063 1-42	* 8 5-67	12	1.00	1	12.0	12,065	3.77	455	12	12,491	471	19%	-94	-2
1409136 10-04-61 STUD 23-11	MOCKOWN FOND 1243697 STATES	REFLECTION 4617504 3-21,22,23	* 15 5-67	185	1.01	104	2.9	14,379	3.66	526	20	15,027	555	88%	-421	-18
1409169 03-08-61 STUD 55-01	LIKE HOLLOW 1038509 STATES	BURKGOV DEAN 3918867 1-55	* 15 5-67	26	1.08	7	5.2	17,940	3.57	640	49	16,843	621	45%	+652	+15
1409187 09-10-59	ARKEN REGAL 1273213 STATES	HOMESTEAD 3695296 1-42	* 0 5-67	15	1.20	3	5.4	14,119	3.78	534	21	14,776	541	33%	-167	0
1409322 06-08-61	GRANVIEW LINDY 1306065 STATES	ROYAL 3826399 1-34	* 9 C-00	11	1.00	1	11.0	15,509	3.33	516	13	13,235	444	18%	+412	+12
1409475 07-12-61	PABST ADMIRATION 1358647 STATES	BELL-TWIN 4359024 1-35	* 0 5-67	11	1.00	2	9.1	14,642	3.66	536	31	13,456	536	20%	+232	+1
1409678 01-24-61	WINFARM MODEL 1154156 STATES	ALDO 3333081 1-21	* 17 5-67	18	1.00	1	18.0	14,340	3.40	488	30	14,607	532	20%	-28	-7
1409799 09-19-61 STUD 91-11	CARNATION ROYAL 1305460 STATES	TRADITION 4440552 2-21,51	* 14 0-00	21	1.00	9	3.2	16,026	3.53	565	20	16,319	591	44%	+1	-6
1410003 10-25-61 STUD 23-11	WILDMOOR FILBERT 1258430 STATES	ABC CONQUEROR* 4155044 2-21,23	* 16 5-67	93	1.00	73	1.5	13,686	4.02	550	18	14,769	554	81%	-764	+2
1410461 09-18-60	WINTER GREEN 1064590 STATES	EMINENT SOVEREIGN* 4516739 1-23	* 7 5-67	14	1.21	1	14.0	12,866	3.82	492	15	11,994	468	20%	+150	+5
1410466 10-04-61 STUD 41-01	MISTER BERRY 1305460 STATES	4420814 3-41,45,46	* 13 5-67	54	1.00	42	1.5	13,354	3.65	487	18	13,877	500	72%	-336	-7
1410506 08-17-61 STUD 51-02	IRVINGTON ADMIRAL 1237057 STATES	SCOT-TWIN 3309584 2-51,54	* 3 5-67	36	1.00	27	1.5	12,643	3.48	440	21	13,644	509	63%	-608	-41
1410545 06-01-61	HOWACRES OAK 1343816 STATES	BERNIE 3696576 1-23	* 7 0-00	14	1.00	1	14.0	17,573	3.93	690	22	16,925	669	19%	+194	+8
1410603 10-24-60 STUD 35-21	CREATOR LODESTAR R A-TWIN 010245330 STATES	010871199 1-35	* 18 5-67	11	1.09	1	11.0	14,861	3.75	558	15	13,908	490	19%	+188	+13
1410773 10-19-61	MAUR-LIND ANSON V FLIPPC 1314880 STATES	4609131 1-93	* 15 0-00	13	1.08	1	13.0	14,758	3.33	492	84	15,610	540	19%	-121	-7
1410984 06-08-61 STUD 33-03	PENSTATE STAR MAN 1189870 STATES	2569786 6-13,16,23,32,35	* 10 5-67	11	1.00	6	3.7	15,554	3.86	600	19	15,475	602	28%	+82	+3
1411026 05-28-61 STUD 23-11	PINEYHILL GALAXY 010260315 STATES	3235970 2-22,23	* 5 5-67	169	1.05	107	2.3	14,883	3.74	556	17	14,444	536	88%	+481	+22
1411036 12-05-59	SEWARDS SKYBOY 1242667 STATES	STARDUST LILITH* 3270174 1-35	* 14 5-67	15	1.07	3	8.7	14,398	3.56	512	34	14,400	527	26%	+27	-2
1411214 08-20-61 STUD 21-10	COUNCIL ROCK IVANHOE 1189870 STATES	2778890 2-11,55	* 9 5-67	105	1.00	65	2.6	15,115	3.71	561	19	15,109	562	81%	+147	+5
1411224 08-29-61 STUD 23-11	WOODSIDE FARM TY VIC BELLE 1038509 STATES	4612328 1-23	* 5 5-67	63	1.00	47	1.6	16,401	3.42	561	24	15,212	550	74%	+1021	+13
1411766 10-24-61	MELLO-VAR IVANHOE ROYAL 1189870 STATES	4341713 1-32	* 0 5-67	10	1.00	1	10.0	11,770	4.07	479	11	15,655	562	18%	-646	-12
1411893 08-14-61	ROLLING KNOLL CROSS WINTORIAS 1216872 STATES	3788412 1-51	* 17 0-00	12	1.00	1	12.0	12,156	3.45	419	17	13,083	497	19%	-177	-13
1412128 08-11-61 STUD 21-10	WINTERCREST SUNLINER 1038509 STATES	3813482 3-11,21,55	* 8 5-67	79	1.00	58	2.0	15,577	3.60	561	19	14,739	543	78%	+757	+18
1412214 07-12-61	ROUND OAK IVANHOE MARK 1189870 STATES	4778232 1-52	* 9 5-67	11	1.00	1	11.0	14,895	3.72	554	17	15,753	570	18%	-112	0
1412372 06-18-61	MANCRYCO LEADER SAM 1275636 STATES	4477839 1-42	* 0 0-00	10	1.00	1	10.0	18,044	3.28	592	19	15,628	544	18%	+436	+10
1412682 11-25-61 STUD 35-05	ELMOKA HOMESTEAD OBIE 1262987 STATES	3858510 2-33,35	* 20 5-67	15	1.00	8	2.3	15,453	3.44	531	15	14,757	540	39%	+323	0
1413083 12-07-61 STUD 35-05	BRIGREEN MODEL PARAGON 1148993 STATES	3862151 4-11,21,33,35	* 12 5-67	25	1.00	19	1.4	14,374	3.85	553	14	14,858	540	54%	-180	+10
1413155 08-08-61 STUD 35-05	DIAMOND J DUSTY BOLIVAR 1205185 STATES	2854856 1-35	* 14 5-67	21	1.00	14	1.8	13,788	3.55	489	13	14,310	523	48%	-206	-14
1413165 06-07-58 STUD 35-75	ROCKET FOREST LEE CENTURION 010239301 STATES	011093766 2-31,34	* 0 5-67	12	1.33	4	7.0	16,589	3.54	587	14	16,151	605	26%	+187	-1



REGISTRATION				INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY			PREO OIFF
NUMBER	NAME	OF SULL	NO		REC / OAU	MILK			%	FAT	HERDMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY	MILK	FAT	
1413340 07-10-61	OREGON BARCH	COMET 1308796 STATES 3884249 1-92	* 20 5-67	10	1.00	1	10.0	16,592	3.43	569	11	16,866	599	18%	+14	-2	
1413969 10-12-61	LAUREL RUN ORMSBY	IVANHOE 1189870 STATES 3820035 1-23	* 20 5-67	10	1.00	1	10.0	15,720	3.81	599	12	16,462	633	18%	-75	-2	
1414100 02-24-61	HIGHER VIEW IOEAL	EXCELSIOR 1359871 STATES 4704156 1-48	* 20 5-67	15	1.00	2	7.8	12,997	3.87	503	11	12,778	476	27%	+44	+7	
1414261 10-05-61 STUD 23-11	WILLMIL IVANHOE	BELLRINGER 1189870 STATES 4524795 3-22,23,51	* 0 5-67	10	1.00	5	3.2	15,266	3.90	595	22	15,205	594	27%	+67	+3	
1414304 12-01-60 STUD 41-01	ESTELLE REVELATION	TY VIC 1197317 STATES 4861505 1-41	* 7 5-67	15	1.07	12	1.8	13,653	3.73	509	24	13,069	477	41%	+225	+13	
1414588 06-06-61	GRAY VIEW X SKY	OSMAN-TWIN 1378594 STATES 4204805 1-35	* 25 5-67	12	1.08	2	10.1	12,443	4.07	507	14	15,148	563	21%	-524	-9	
1414613 01-04-62 STUD 34-01	LAVACRES OUSTY	MANFREDO 1205185 STATES 4151544 3-32,34,86	* 38 5-67	13	1.00	4	7.9	13,422	3.69	495	31	14,761	508	24%	-290	-2	
1414652 09-01-60	REFLECTION STARBRIGHT	RCMAN 010262153 STATES 011377205 3-47,48,93	* 21 5-67	15	1.00	8	3.9	12,160	3.73	453	15	14,159	514	34%	-659	-19	
1414813 03-22-61 STUD 41-01	M V 8 A U H TEN	GWEN ROLLIE 1038509 STATES 4383051 1-41	* 19 5-67	17	1.12	17	1.0	11,812	3.59	424	11	13,183	477	47%	-649	-24	
1414917 10-03-61 STUD 33-02	ZELOENRUST PONTIAC	TIP TOP 1297169 STATES 5068902 1-33	* 0 5-67	48	1.00	34	1.9	14,764	3.52	519	22	14,149	511	68%	+471	+7	
1415091 08-04-61 STUD 35-05	KYLAND VALIANT	COUNT 1265166 STATES 4251975 1-35	* 0 5-67	10	1.00	9	1.2	14,527	3.70	537	14	14,347	515	33%	+91	+8	
1415202 10-04-61	PABST AOMIR	VALE 1358647 STATES 4293465 1-41	* 20 0-00	10	1.00	1	10.0	14,775	3.76	555	22	14,519	539	18%	+66	+4	
1415405 07-25-61 STUD 23-09	LIME HOLLOW 8URKGOV	SENSATION 1038509 STATES 4021635 1-23	* 12 5-67	165	1.01	118	1.9	15,200	3.61	548	17	14,682	544	88%	+572	+9	
1415637 11-22-61	FOUR PINES 8URKE	SKYLINER 1244845 STATES 4505088 1-35	* 0 5-67	15	1.00	1	15.0	14,825	3.82	566	18	15,299	564	20%	-54	+2	
1415661 04-05-61	MITCHELL FARM IVANHOE	1189870 STATES 4104515 1-16	* 0 5-67	13	1.00	3	4.5	14,334	4.05	581	33	14,592	550	30%	-39	+11	
1415831 10-15-61	KAM-JA 8BURKE	8ENEFACTOR 1159324 STATES 4750982 1-93	* 0 0-00	10	1.00	1	10.0	18,740	3.72	697	37	17,285	631	18%	+327	+14	
1416149 02-07-60	MCCORMICK CRAFTSMAN	ESTILL 1130632 STATES 3984871 1-43	* 10 5-67	10	1.50	1	10.0	14,136	3.35	473	15	13,413	474	20%	+144	0	
1416210 02-22-61	WISCH VALLEY CAPTAIN	KID 1144239 STATES 3979040 1-42	* 40 0-00	11	1.00	1	11.0	13,177	3.60	474	9	15,192	541	18%	-332	-10	
1416224 10-22-59 STUD 61-01	WEAVERS INKA	MAPLE SUSIE 010218036 STATES 011245681 1-61	* 4 5-67	48	1.00	38	1.6	14,327	3.46	495	13	13,923	488	69%	+316	+5	
1416398 03-10-61	CLAREVALE COUNT A	8 C 1324972 STATES 4695661 1-41	* 6 5-67	16	1.25	1	16.0	10,990	3.56	391	14	10,508	404	21%	+42	-4	
1416711 08-06-57 STUD 41-25	JO ROCKWOOD HIGHCROFT	EMPEROR 010246971 STATES 010798731 1-41	* 8 0-00	13	1.38	8	2.6	15,792	3.60	568	16	14,934	547	36%	+369	+10	
1416883 08-12-60	WES-LYN INVINCIBLE	LEADER 1150470 STATES 4564469 1-33	* 0 5-67	15	1.33	2	11.5	15,129	3.55	537	10	15,778	571	25%	-99	-5	
1417747 04-24-61 STUD 21-10	MAPLE TRIELM	TEXAL 010218036 STATES 010921115 2-13,21	* 7 5-67	73	1.00	64	1.3	14,809	3.63	537	21	15,623	561	78%	-455	-12	
1417890 10-13-60	WEAVERS RAG APPLE	JOCK-TWIN 010233528 STATES 010931801 1-34	* 20 5-67	11	1.09	1	11.0	12,553	3.59	451	40	12,229	430	19%	+39	+3	
1418083 09-20-61	WIL-8RUST AOMIRAL	GINGER 1202814 STATES 3401299 2-42,47	* 9 0-00	11	1.00	4	5.0	16,175	3.43	555	23	14,967	543	26%	+352	+5	
1418374 09-19-61 STUD 23-11	SIMPSON FARM TIOY	GENT 1300014 STATES 4625057 1-23	* 11 0-00	18	1.00	9	3.0	16,902	3.50	588	19	16,166	591	41%	+376	+3	
1418400 10-10-61	SKCKIE OUKE	CREATOR 1288610 STATES 3684075 1-21	* 7 0-00	15	1.00	3	7.1	19,041	3.46	659	19	19,507	673	28%	+42	+1	
1418469 09-24-61	BURRILANE MIN	IVANHOE 1189870 STATES 4659839 1-82	* 19 5-67	16	1.06	1	16.0	14,376	3.58	515	49	14,196	514	20%	+54	+1	
1418667 01-02-62 STUD 23-09	BLOSSOMELLE BLACK	GOLO 1189870 STATES 4017841 2-23,50	* 8 0-00	12	1.00	11	1.1	14,598	3.75	548	12	15,019	566	37%	-94	-3	

REGISTRATION					DAUGHTERS		NO		EFF		DAUGHTER			ADJUSTED		REPEATABILITY		PREO	
NUMBER	NAME	OF	SULL	INC	NO	REC / DAU	DF	HAU / HERD	MILK	AVERAGES	FAT	HERDMATE NO	AVERAGES MILK	FAT	OF SIRE SUMMARY	DIFF MILK	FAT		
1418795 09-30-61	GRAY VIEW X PREVIEWER 1378594 4680791 STATES 1-41			* 6 5-67	18	1.00	2	10.7	14,392	3.82	550	22	13,756	499	27%	+182	+14		
1418796 10-02-61	GRAY VIEW X CLASSIC 1378594 4680792 STATES 1-21			* 0 5-67	21	1.00	2	11.0	15,937	3.83	611	15	16,645	631	30%	-112	-1		
1419065 10-16-61 STUD 35-21	VIGO GALAXIE 1189870 4757614 STATES 2-35,42			* 20 0-00	10	1.00	4	5.2	15,664	3.87	606	16	16,538	613	24%	-130	+1		
1419265 10-24-61 STUD 41-25	LOCHLAWN FIELD MARSHAL 1243697 4649706 STATES 2-41,42			* 0 0-00	10	1.00	4	5.2	15,862	3.82	606	14	15,354	595	24%	+167	+5		
1419528 07-29-61 STUD 21-10	STGWELL FARMS LDOUGD BUTCH 1038509 2903874 STATES 2-13,21			* 6 5-67	32	1.00	31	1.0	15,908	3.51	559	20	15,451	545	62%	+410	+12		
1419631 09-20-61 STUD 35-05	GRAY VIEW X DOUBLE CRIS 1378594 4216792 STATES 2-35,41			* 13 5-67	15	1.00	10	1.6	13,721	3.67	503	12	14,507	522	41%	-272	-5		
1419776 01-27-61	WESTEDGE LEADER PRINCE 1320622 4094836 STATES 1-41			* 11 0-00	19	1.00	1	19.0	14,583	3.89	567	31	12,410	463	21%	+428	+21		
1419839 02-10-62 STUD 23-11	MARDY IVANHOE LEADER 1189870 3043657 STATES 1-23			* 6 5-66	16	1.00	15	1.1	14,451	3.63	525	15	14,207	526	44%	+145	+1		
1419922 12-17-61	KANZA SKYHAWK BEAU 1289574 3792965 STATES 1-48			* 9 0-00	11	1.00	1	11.0	13,277	3.74	496	29	13,686	524	18%	-67	-3		
1419950 09-14-61 STUD 33-01	NORFRED INKA SUPREME-TWIN 010233528 3934865 STATES 1-33			* 0 5-67	16	1.00	13	1.3	13,944	3.69	515	15	13,831	507	43%	+69	+4		
1420215 02-22-62 STUD 23-11	BUDD FARM AMBASSADOR 1306065 3938195 STATES 2-23,55			* 17 0-00	12	1.00	11	1.1	12,433	4.13	514	14	14,365	535	37%	-678	-5		
1420413 04-28-61 STUD 35-03	RAG APPLE ROYAL MAPLE 1305460 011085334 STATES 6-31,35,41,42,57			* 10 5-67	194	1.01	114	2.5	14,154	3.57	505	17	14,128	516	89%	+92	-6		
1420414 05-31-61 STUD 35-03	GLENAFTON RAG APPLE VITALITY 010273925 011248434 STATES 2-35,65			* 14 5-67	100	1.00	67	2.3	13,722	3.66	502	18	14,062	509	81%	-216	-3		
1420736 08-26-61	JON-DE IVAN 1189870 4013709 STATES 1-35			* 0 5-67	10	1.00	1	10.0	14,938	3.70	552	21	15,493	597	18%	-59	-5		
1420766 05-24-61 STUD 23-11	SALUTE SUMMIT VIEW 1189870 011095616 STATES 1-23			* 12 5-67	86	1.03	70	1.3	13,966	3.79	530	14	14,911	537	81%	-635	-1		
1421128 11-11-61 STUD 33-02	MAN-D-WAR B F CRESCENT SKYWAY 1188731 4496001 STATES 2-33,42			* 0 2-66	10	1.00	9	1.2	13,224	3.73	493	15	14,254	519	33%	-306	-6		
1421153 07-29-60	AUBURN-U NEPTUNE PATRICK 910991 4825447 STATES 1-64			* 20 5-67	16	1.13	1	16.0	15,068	3.50	527	15	16,155	588	21%	-165	-9		
1421631 07-21-61	BOND HAVEN SIGNET CHAMP 010249530 011234597 STATES 1-21			* 0 5-67	12	1.00	3	4.6	14,667	3.66	537	10	14,577	533	28%	+60	+2		
1421870 11-23-61 STUD 35-C5	ROSEMERIE TRIUNE SENATOR 1050848 3500390 STATES 3-33,35,56			* 18 5-67	22	1.00	13	2.0	14,733	3.51	517	17	14,456	527	49%	+189	-2		
1421992 11-23-61	BROWNS IVANHOE MAC 1189870 4297468 STATES 1-23			* 0 0-00	10	1.00	1	10.0	14,203	4.28	608	21	14,780	594	18%	-76	+4		
1422095 03-28-62 STUD 23-11	WIS ROBURKE 1292880 3111751 STATES 1-23			* 17 0-00	12	1.00	9	1.6	12,769	3.78	483	11	14,035	515	36%	-424	-9		
1422155 06-C5-61	MAPLEBYRN CHAMPION HANS 1376762 4828886 STATES 1-34			* 18 5-67	11	1.00	2	9.1	12,730	3.87	493	16	12,977	495	20%	-56	0		
1422644 03-05-61	BURKE ARKEN CARNATION 1308419 4799568 STATES 1-42			* 6 5-67	16	1.19	1	16.0	13,744	3.57	490	34	13,512	503	21%	+52	-1		
1423138 11-14-61 STUD 41-01	LUNO DALE JERRY SKYMASTER-TWIN 1261140 4576869 STATES 2-41,45			* 0 0-00	14	1.00	11	1.8	14,476	3.79	548	26	13,964	502	39%	+220	+18		
1423680 12-18-61 STUD 35-C5	STUROY OAK ROYAL FOBES 1305460 5081180 STATES 1-35			* 13 5-67	16	1.00	10	1.8	15,032	3.36	505	13	15,040	546	42%	+67	-14		
1426384 06-18-61 STUD 33-02	FOHON IDEAL MODEL 1150470 4419504 STATES 3-31,32,33			* 0 5-67	44	1.00	32	1.8	15,164	3.44	521	23	14,206	518	66%	+695	+4		
1427052 12-28-61 STUD 23-09	MOOKOWN OPTIMIST 1243697 4397687 STATES 1-23			* 13 5-67	61	1.00	51	1.4	15,371	3.55	545	16	14,792	546	74%	+536	+4		
1427615 08-05-61 STUD 23-09	ROMANDALE DIVIDEND PERFORMER 010257174 010956217 STATES 2-21,23			* 5 5-67	164	1.00	121	1.8	15,990	3.48	557	19	14,531	539	88%	+1387	+20		
1428634 12-05-61 STUD 31-01	GLENAFTON RAG APPLE HARTOG 010273925 010672857 STATES 1-31			* 0 5-67	11	1.00	7	1.9	15,675	3.60	565	20	15,358	557	33%	+169	+5		

REGISTRATION				INC %	DAUGHTERS NO	REC / DAU	NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			HEROMATE NO	ADJUSTED AVERAGES		REPEATABILITY OF SIRE SUMMARY	PRO OFF		
NUMBER	NAME	OF	BULL						MILK	%	FAT		MILK	FAT		MILK	FAT	
1429456 05-23-58 STUO 33-01	VINEOALE 1013415 STATES	BURKE	IOEAL 010802212 2-33,35	* 5-67	0	19	1.05	17	1.2	12,951	3.65	473	15	14,381	519	48%	-640	-20
1431129 01-01-59 STATES	RAG APPLE 010218036 STATES	MEADOW	RIOGE 011187223 1-91	* 0-00	8	13	1.08	6	3.7	16,342	3.45	563	28	16,025	561	32%	+188	+3
1431720 01-21-62 STUO 33-01	WEAVERS 010233528 STATES	SOVEREIGN	PAUL 010772739 1-33	* 0-00	0	10	1.00	10	1.0	13,923	3.55	494	19	13,849	512	33%	+41	-4
1431721 03-13-62 STUD 33-01	VINEOALE 010260559 STATES	REFLECTION	CAPITAINE 010929296 2-33,73	* 0-00	0	36	1.00	29	1.4	13,833	3.69	510	14	14,287	519	63%	-226	-3
1432476 10-11-61	AURORA 1354161 STATES	SKYRIDER	SCOTTY 4644009 1-91	* 0-00	20	10	1.00	1	10.0	13,767	3.54	487	16	14,398	498	18%	-92	-1
1432733 01-01-62	FLEET 1189870 STATES	RIOGE	MONITOR 4511936 1-16	* 0-00	0	10	1.00	2	5.8	17,754	3.98	688	36	16,636	640	23%	+327	+14
1433244 01-12-61	LANGSON 1354656 STATES	REGAL	PETE 4230376 1-41	* 5-67	8	12	1.25	2	6.6	12,008	3.30	396	4	12,191	440	26%	-77	-12
1433459 12-01-61	GENSKOW 1298378 STATES	SKOKIE	OESIGN 4022076 1-33	* 5-67	0	12	1.00	2	7.5	13,811	3.57	493	16	14,172	523	23%	-64	-5
1434404 02-02-61	PAUL-LYN 1102210 STATES	BEAUTY	OREAM 3190110 1-48	* 5-67	11	18	1.06	2	11.7	15,942	3.29	524	23	15,117	521	26%	+262	+2
1439959 04-19-61	BURKE 1381027 STATES	IOEAL	REFLECTOR 4332795 1-48	* 0-00	0	13	1.00	1	13.0	15,227	3.54	539	27	14,591	526	19%	+144	+3
41XG2259 .....	STATES			33 5-67		12	1.25	1	12.0	14,121	3.59	507	8	13,283	518	20%	+164	-1
42WAN2952 .....	STATES			8 5-67		12	1.58	1	12.0	13,881	3.26	453	12	13,283	436	21%	+126	+3
42X8F0654 .....	STATES			30 0-00		10	1.00	1	10.0	10,419	3.63	378	5	11,410	386	18%	-209	-2



REGISTRATION			INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED HEROMATE NO	AVERAGES		REPEATABILITY OF SIRE SUMMARY	PREO OIFF	
NUMBER	NAME	OF BULL		NO	REC / OAU			MILK	%	FAT		MILK	FAT		MILK	FAT
516006 02-25-49	OANOY SPARKLING CORKY JESTER... 492466 1626621 STATES 1-34	5-67		15	1.60	2	13.1	7,885	5.57	439	14	8,689	447	24%	-185	-2
530104 05-12-50	TRISTRAM BASIL BARNET..... 435951 1223303 STATES 10-33,35,41,42,43	5-67	3	127	2.69	29	69.9	10,105	5.27	533	21	9,796	519	44%	+195	+7
521074 10-30-50	SIGNAL OXFORD SULTAN..... 419248 1287233 STUD 46-01 STATES 4-47,48,72,74	5-67	8	103	2.18	20	12.2	8,651	4.94	427	18	7,985	406	71%	+444	+8
532850 12-09-50	JESTER AIMING JIM..... 507859 1712700 STATES 1-34	5-67	10	26	1.88	3	22.2	8,363	4.91	411	13	8,042	424	27%	+78	-5
543429 06-02-51	BLDNOE-S GOLOEN LAO JR..... 496820 1487879 STUD 91-13 STATES 4-31,32,61,93	5-67	5	66	1.65	19	10.0	9,141	5.16	472	15	9,410	480	63%	-105	-5
548159 12-04-51	TORAAOR BASIL TORAAOR..... 504051 1665433 STATES 4-31,35,55,61	5-67	7	62	2.32	9	28.7	9,609	5.23	503	24	9,084	475	45%	+265	+11
549122 02-27-52	MISTER JESTER PINN..... 521974 1448741 STUD 31-01 STATES 25-31,32,33,55,74	5-67	10	785	2.00	219	18.7	8,418	5.08	428	33	8,499	428	93%	-67	-6
551139 12-17-52	STANOARO VOLUNTEER CELBERT.... 464859 1478745 STUD 93-10 STATES 4-61,91,92,93	5-67	0	15	1.67	6	5.9	10,260	5.26	540	6	9,646	519	34%	+249	+8
552844 01-12-53	SIBLEY-S OESIGN FOUR THOUSAND... 528281 1427169 STUD 21-10 STATES 11-11,12,13,14,16	5-67	7	391	1.84	145	5.3	9,512	5.05	480	12	9,295	483	94%	+285	-3
553149 02-22-53	BEAUTY-S MASTER ADVANCER..... 534565 1732726 STUD 31-01 STATES 15-31,34,61,64,65	5-67	6	213	2.43	38	42.8	8,775	5.11	448	32	8,503	441	66%	+186	+1
555537 10-19-52	JESTER-S LIBERATOR..... 544382 1536863 STUD 63-02 STATES 1-63	5-67		21	2.67	5	7.7	7,554	5.23	395	16	7,963	403	42%	-189	-6
555540 01-22-53	BRIGHAM CONFIDENT JUAN..... 470945 1796173 STUD 93-05 STATES 1-93	5-67		451	1.47	2	449.0	10,221	5.10	521	247	10,285	530	28%	+34	-1
556063 10-20-53	SABLE-S COMMANDER..... 457631 1556824 STUD 34-01 STATES 14-13,14,32,34,74	5-67	15	138	1.30	52	6.7	9,323	5.67	529	23	9,216	491	80%	+150	+30
556095 10-18-53	MARLU MILAOY-S SUPREME..... 506147 1858269 STUD 91-13 STATES 5-81,82,88,91,92	5-67	3	571	1.92	163	8.0	9,816	5.11	502	14	9,271	450	94%	+595	+10
557569 11-06-53	SURVILLE CERES PRIOR..... 503523 1760788 STUD 91-13 STATES 2-92,93	5-67	3	44	2.05	6	17.4	11,754	4.93	580	19	9,565	497	45%	+1041	+37
557682 12-27-53	SECRET WELCOME RELIANCE..... 497574 1556676 STUD 21-10 STATES 5-12,13,55,57,58	5-67	5	139	1.78	52	8.6	10,608	4.91	521	17	9,758	505	79%	+779	+13
557868 12-01-53	THE PATHFINDER..... 457631 1821592 STUD 31-01 STATES 26-31,33,74,82,92	5-67	10	409	1.75	164	6.9	8,423	5.06	426	19	8,793	450	93%	-308	-26
560268 03-02-54	COMMANDER-S CAPER..... 468937 1802181 STUD 91-13 STATES 1-93	5-67		35	1.69	12	4.9	10,220	5.04	515	22	10,061	516	57%	+185	0
560558 03-15-54	FAVORITE ADVANCER SIGNAL..... 493165 1868502 STUD 93-10 STATES 4-35,87,92,93	5-67	14	25	2.52	7	8.0	10,562	5.12	541	10	9,678	515	44%	+448	+12
560800 04-30-53	CORALAO-S DREAM BOY..... 540908 1811928 STUD 35-75 STATES 32-35,58,65,82,92	5-67	8	391	1.35	155	5.0	9,787	4.98	487	30	8,896	451	93%	+874	+29
561487 09-20-54	BRIGHAM CONFIDENT KELIAN..... 470945 1594635 STUD 33-03 STATES 30-13,14,21,23,32	5-67	9	151	2.07	102	2.2	8,621	5.08	438	14	8,452	431	89%	+154	0
562315 11-09-54	SURVILLE HARVEST PRIOR..... 503523 1760788 STUD 31-02 STATES 15-21,31,54,56,64	5-67	5	307	1.98	112	5.4	8,755	5.12	448	16	8,517	437	92%	+228	+4
562571 01-22-55	SECRET WELCOME MAGICIAN..... 497574 1524579 STUD 23-05 STATES 9-14,16,22,23,50	5-67	13	176	1.94	47	10.9	9,263	5.12	474	17	9,500	493	81%	-103	-15
562967 09-24-54	JEAN-S ROYAL ECHO CHAR-LYNN... 498154 2018617 STUD 91-13 STATES 1-93	5-67	10	43	2.28	4	30.5	10,942	5.15	563	18	10,351	525	34%	+270	+14
563278 09-08-54	ADVANCERS CONTRIBUTION..... 550331 1390835 STUD 51-02 STATES 8-31,42,51,54,56	5-67	9	150	2.13	66	3.9	7,692	5.16	397	12	7,467	381	87%	+113	+4
563805 08-23-54	MARLU MILESTONE..... 506147 1726368 STUD 33-03 STATES 33-22,23,41,63,65	5-67	5	234	1.71	93	12.2	10,341	5.24	542	33	9,764	506	84%	+597	+31
563813 02-03-55	FAVORITE ADVANCERS TRISTRAM... 493165 1636078 STUD 33-03 STATES 23-13,14,21,32,43	5-67	7	167	1.43	71	6.8	10,284	5.25	540	32	9,719	503	83%	+578	+31
563955 12-30-54	TENN. APRIL A. E. B. LAD..... 497058 1647416 STUD 63-01 STATES 1-63	5-67	12	58	1.95	17	14.3	10,079	4.93	497	29	9,880	479	54%	+186	+9
564125 05-09-54	LIBERATORS BASILEUS..... 544382 1441635 STUD 35-75 STATES 33-32,55,57,58,64	5-67	11	625	1.20	216	6.7	9,046	5.04	456	27	8,876	449	95%	+205	+2

REGISTRATION						DAUGHTERS		NO	EFF	DAUGHTER			ADJUSTED		REPEATABILITY		PREO	
NUMBER	NAME	OF	BULL	INC	%	NO	REC / DAU	OF HERDS	DAU / HERO	MILK	AVERAGES %	FAT	HEROMATE NO	AVERAGES MILK	FAT	OF SIRE SUMMARY	OFF MILK	FAT
564265	TEFFIA-S PRINCE.....*	10				74	1.78	41	5.2	7,674	5.23	401	29	8,733	438	73%	-745	-30
01-01-55	553475	1585455	5-67															
STUD 33-03	STATES	18-31,32,34,63,65																
564830	R. C. O. C. BASIL WORLD RECORD*	18				68	2.03	27	5.2	7,982	5.06	404	31	8,035	409	72%	-64	-9
02-01-55	486537	1720459	5-67															
STUD 65-02	STATES	5-57,64,65,74,85																
565303	BEACON GOLDEN JESTER.....*	19				255	2.00	61	32.6	8,559	5.15	441	27	8,586	439	74%	-6	-2
05-24-54	553475	1652667	5-67															
STUD 34-01	STATES	12-31,33,34,35,63																
565584	FRASER JESTER BETTY OXFORD....	6				28	2.32	9	4.9	10,562	5.04	532	26	10,355	514	54%	+215	+10
09-25-54	476453	1487748	5-67															
STUD 91-13	STATES	1-93																
566892	PIXY-S CHINA CUP.....*	7				46	2.65	9	28.4	10,394	5.58	580	26	9,707	510	38%	+309	+27
05-12-55	497355	1862535	5-67															
	STATES	4-33,35,41,42																
567009	CHAMPIONS LEADER.....*	19				32	1.47	8	5.5	9,346	5.21	487	18	9,234	482	52%	+102	+2
04-04-55	519828	1912149	5-67															
STUD 35-02	STATES	5-34,35,43,48,74																
567011	ZANALUS PRINCE.....*	12				42	3.00	7	26.4	8,739	5.10	446	5	8,832	444	38%	-19	0
03-23-54	010123838	010221530	5-67															
STUD 35-05	STATES	3-31,32,35																
567846	TEFFIA SHAQEL-S PRINCE DESTINY*	2				69	2.70	8	18.1	7,380	4.82	356	16	7,678	367	57%	-212	-13
07-21-55	553475	1536916	5-67															
STUD 65-02	STATES	2-63,65																
568040	BASIL ROYAL PLUME HERCULES....*	11				38	2.61	11	18.2	7,907	5.21	412	15	8,667	440	41%	-301	-13
07-18-55	543376	1627533	5-67															
STUD 51-02	STATES	3-31,51,54																
568680	ETTA-S AMBASSADOR.....*	2				59	2.22	23	5.0	8,651	4.94	427	16	8,406	432	70%	+171	-7
10-09-54	545211	1963101	5-67															
STUD 31-01	STATES	3-23,31,65																
569157	MARLU JESTER SUPREME.....*	11				156	2.18	57	6.4	8,439	4.93	416	10	8,667	438	85%	-170	-23
05-11-55	506147	1883661	5-67															

REGISTRATION					INC %	DAUGHTERS		NO OF HERDS	EFF OAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		
NUMBER	NAME	DF	BULL	NO		REC / DAU	MILK			%	FAT	HERDMATE NO	MILK	AVERAGES FAT	OF SIRE SUMMARY	DIFF MILK	FAT
574279	SHADEL-S DESIGN KEEPER BEAUTY.*	15		14	2.29	2	12.1	8,668	5.12	444	21	8,484	436	26%	+49	0	
03-18-57	568187	1499159	5-67														
STUD 41-25	STATES	1-48															
574470	SHADEWELL VICTORY LAD.....*	0		47	1.68	25	3.7	10,000	5.07	507	19	9,366	485	67%	+487	+14	
01-20-57	473215	1860681	5-67														
STUD 21-10	STATES	3-12,13,5E															
574676	GOLOEN COMMAND.....*	11		144	1.51	59	5.5	7,689	5.15	396	33	8,510	430	83%	-671	-33	
02-12-57	556092	1578755	5-67														
STUD 31-02	STATES	18-31,32,55,56,64															
574752	PATHFINDER-S PIONEER.....*	4		76	1.86	24	10.8	8,985	5.02	451	34	8,971	459	65%	+45	-7	
12-23-56	557868	1796086	5-67														
STUD 93-10	STATES	10-42,52,73,92,93															
574994	BRIGHAM ADVANCER NELSON.....*	15		87	2.16	51	2.4	9,208	5.10	470	20	9,241	476	82%	+41	-6	
03-23-57	544480	1809498	5-67														
STUD 21-10	STATES	3-12,13,21															
575184	AM8ASSAOCR.....*	10		778	1.21	219	7.8	9,048	4.97	450	27	8,794	447	95%	+279	-1	
09-22-56	563805	1533673	5-67														
STUD 31-01	STATES	26-31,33,56,65,74															
576127	SECRET MARKSMAN.....*	0		19	2.21	8	5.0	11,188	5.56	622	60	10,720	556	44%	+307	+31	
05-22-57	497574	2029033	5-67														
STUD 35-75	STATES	7-13,14,16,42,52															
577042	BRIGHAM CONFIDENT NEVILLE.....*	14		157	1.65	49	8.2	8,958	5.03	451	25	8,846	449	82%	+127	-1	
05-30-57	470945	1447846	5-67														
STUD 31-02	STATES	9-31,32,52,56,58															
577134	MARLU MILADY-S CLIMAX.....*			32	1.00	14	3.7	8,852	4.63	410	29	7,819	380	53%	+519	+10	
03-12-57	506147	1726368	5-67														
STUD 72-01	STATES	7-52,55,63,65,74															
577237	CHAMPIONS DDUBLE.....*	4		182	1.95	80	3.9	9,700	5.25	509	18	9,557	484	89%	+228	+21	
04-17-56	519828	1823982	5-67														
STUD 91-13	STATES	4-82,87,91,92															
577388	TRUE TRAIL BLAZER.....*	12		78	2.58	47	2.2	9,106	5.29	482	16	9,018	464	82%	+121	+12	
05-05-57	503554	1836567	5-67														
STUD 21-10	STATES	5-13,21,23,56,74															
577474	SY8IL CARLETTA-S FINALIST.....	8		52	2.25	31	2.4	10,122	5.02	508	24	9,422					



REGISTRATION				INC %	DAUGHTERS		NO OF HERDS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED AVERAGES			REPEATABILITY			PRED	
NUMBER	NAME	OF BULL	NO		REC / DAU	MILK			%	FAT	HERDMATE NO	MILK	FAT	OF SIRE SUMMARY	DIFF MILK	FAT			
583333	MARLU MILESTONE	RANGER.....*	13	23	2.39	3	9.4	10,314	4.80	495	11	9,250	469	40%	+458	+9			
10-31-57	563805	2092099	5-67																
STUD 51-02	STATES	1-54																	
583396	MARLU MILESTONE	MUSKETEER.....*	5	75	1.43	30	6.0	8,959	4.73	424	13	8,684	442	71%	+214	-16			
05-25-58	563805	1858255	5-67																
STUD 63-02	STATES	8-22,31,51,61,63																	
583958	NOBLEMAN-S	LOTUS DESIGNER.....*	7	32	1.72	21	1.9	10,913	5.19	566	15	9,382	492	63%	+1026	+46			
11-16-58	552844	1946996	5-67																
STUD 21-10	STATES	5-12,13,14,16,22																	
584285	ANSOM VISITOR.....*			32	1.94	20	3.2	9,112	5.40	492	30	9,788	506	60%	-324	-7			
11-06-57	010008847	010060687	5-67																
	STATES	16-22,23,51,55,65																	
584321	BRIGHAM MAIDEN	LAD ORVILLE....	8	63	1.35	9	38.7	10,973	4.85	532	222	10,036	508	34%	+377	+9			
10-16-58	480642	1447846	5-67																
STUD 93-10	STATES	6-13,14,34,56,93																	
584458	MARLU MILESTONE	MILK80Y.....*	7	164	1.95	47	6.8	10,168	4.95	503	17	9,346	483	85%	+774	+16			
08-09-58	563805	1914092	5-67																
STUD 23-09	STATES	4-23,50,55,56																	
584520	TENN CONFIDENT	C H H LAD.....*	8	13	1.62	1	13.0	11,199	5.06	567	44	12,147	580	22%	-125	0			
12-22-58	549809	2067702	5-67																
STUD 63-01	STATES	1-63																	
584562	MARLU MILESTONE	CRUSADER.....*	11	167	1.77	50	10.8	8,724	5.17	451	23	8,501	441	81%	+187	+3			
08-28-58	563805	1748310	5-67																
STUD 34-01	STATES	7-11,31,34,56,57																	
584664	ATOMIC LIBERATOR.....*		4	115	1.46	41	5.6	9,905	5.34	529	19	9,788	516	80%	+202	+12			
10-13-58	564125	2014945	5-67																
STUD 91-13	STATES	3-81,82,91																	
584682	ITASKA PRIDE	KING.....*	5	39	1.38	5	18.5	9,469	5.23	495	24	10,700	546	38%	-378	-17			
08-18-58	563772	1974105	5-67																
STUD 33-03	STATES	2-84,93																	
584799	GOLDEN ETTA	COMMANDO.....*		25	1.00	3	21.2	7,674	5.23	401	106	8,023	418	24%	-92	-5			
03-21-59	556092	1578755	5-67																
STUD 33-03	STATES	3-31,41,74																	
585285	.....*		17	9	1.33	0	1.8	9,244	5.46	505	27	9,881	511	31%	-15				

REGISTRATION					INC %	DAUGHTERS		NO OF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREO		
NUMBER	NAME	OF	BULL	NO		REC / OAU	MILK			%	FAT	HERO	MATE	AVERAGES	FAT	OF SIRE SUMMARY	DIFF MILK	FAT	
588023	BRIGHAM SYBIL	11-18-59	502113	1850119	5-67	10	31	1.16	16	3.0	8,204	5.08	417	28	8,523	423	56%	-171	-7
STUD 63-01 STATES 1-63																			
588092	OANOY FAVOR	01-26-59	556096	1824029	5-67	0	10	2.20	1	10.0	9,629	4.47	430	41	9,083	418	22%	+137	+1
STUD 65-02 STATES 1-74																			
588114	JESTER SLEEPING	02-08-59	534585	2066252	5-67	0	14	1.71	1	14.0	9,130	5.06	462	14	9,175	445	22%	+7	+3
STUD 65-02 STATES 1-33																			
588501	MARLU MILESTONE	08-18-59	563805	2092116	5-67	*	10	1.00	1	10.0	9,235	5.19	479	5	9,147	462	18%	+29	+2
STATES 1-21																			
588733	MARLU MILESTONE	12-18-59	563805	1568103	5-67	10	51	1.71	7	38.1	8,170	5.32	435	31	8,627	449	32%	-140	-5
STUD 31-01 STATES 5-32,47,57,61,65																			
588745	.....*				20	11	1.00	3	7.5	7,785	4.60	358	17	7,875	377	22%	-31	-6	
STATES 1-56																			
588835	MARLU MILAOY	07-06-59	550331	2092114	5-67	10	174	1.07	95	3.5	8,425	5.36	452	24	9,038	463	87%	-476	-12
STUD 33-03 STATES 31-13,14,23,31,41																			
589000	SABLE-S	06-19-59	580237	2188445	5-67	11	81	1.36	35	3.3	9,156	5.62	515	15	9,587	503	77%	-241	+10
STUD 91-13 STATES 5-13,32,81,88,91																			
589043	FAVORITE	10-01-59	574796	1650393	5-67	11	11	1.27	6	3.0	9,193	5.15	473	14	8,440	428	32%	+239	+12
STUD 91-11 STATES 3-35,41,42																			
589069	MARLU MILAO	11-01-59	584285	1726368	5-67	0	26	1.19	13	4.9	11,061	5.53	612	22	10,572	580	47%	+329	+19
STUD 35-75 STATES 7-21,22,23,33,57																			
589166	SECRET TWINKLING	11-07-59	497574	1682914	5-67	13	31	1.52	8	8.6	9,985	5.07	506	12	9,019	466	46%	+468	+17
STUD 91-11 STATES 1-42																			
589390	IMP. ITASKA-S	12-15-59	010008611	010057693	5-67	16	117	1.32	59	3.7	7,838	5.14	403	26	8,229	420	82%	-335	-19
STUD 51-02 STATES 16-51,52,54,56,72																			
589405	.....*				0	10	1.00	1	10.0	11,013	5.25	578	11	10,353	577	18%	+151	+2	
STATES 1-74																			
589497	AMBASSADOR RUBY-S	10-27-59	571911	2261161	5-67	9	48	1.46	27	3.4	9,037	5.00	452	21	9,270	480	67%	-97	-19
STUD 21-10 STATES 2-13,21																			
589759	LEADER-S	10-16-59	567370	2225903	5-67	0	19	1.53	3	12.3	10,156	5.13	521	33	9,804	511	29%	+144	+3
STUD 35-75 STATES 1-65																			
589768	BILLYCREEK PRINCE	12-04-58	571911	2034442	5-67	5	21	1.86	1	21.0	8,366	5.12	428	15	8,601	455	25%	-52	-7
STATES 1-57																			
589820	ADVANCER DESIGN-S	05-24-59	575678	1650680	5-67	*	13	1.00	1	13.0	8,808	4.90	432	4	7,795	407	19%	+181	+3
STATES 1-31																			
589943	COUNT B. J. A.	11-12-59	528332	1623579	5-67	15	54	1.37	23	3.9	8,316	5.48	456	17	9,506	491	68%	-732	-23
STUD 91-13 STATES 2-43,91																			
590318	WONDERFUL PAMSON.	02-17-60	534585	1755015	5-67	0	13	1.46	3	5.7	9,701	4.93	478	30	8,859	434	31%	+271	+11
STUD 35-75 STATES 2-31,74																			
590392	MILESTONE BASILEUS	09-08-59	577026	1862684	5-67	11	14	1.00	1	14.0	7,365	4.37	322	6	8,405	396	19%	-200	-15
STATES 1-48																			
590777	WONDERFUL ETTA	08-23-59	573454	1631376	5-67	8	25	2.08	4	17.8	8,696	4.86	423	12	8,743	456	32%	-3	-11
STUD 91-11 STATES 2-35,42																			
590930	NELLY PINN.	04-25-60	531795	1915795	5-67	7	15	1.33	1	15.0	10,844	5.26	570	41	10,955	559	21%	+31	+4
STATES 1-93																			
590935	OANOY JIM.	11-29-59	578890	2183921	5-67	8	47	1.38	30	2.3	9,549	4.87	465	16	9,377	480	69%	+184	-11
STUD 21-10 STATES 6-11,12,13,14,16																			
591131	DREAMING STAR-S	05-21-55	455708	1290798	5-67	10	40	1.00	15	6.0	9,596	5.17	496	56	9,553	491	54%	+84	+2
STUD 35-75 STATES 10-48,65,74,82,92																			
591146	.....*				0	9	1.00	1	9.0	9,123	4.60	420	13	8,706	395	17%	+76	+2	
STATES 1-43																			
591149	LEADER BELLE	06-08-60	567370	2055164	5-67	17	13	1.15	3	9.4	11,106	5.04	560	17	10,570	532	23%	+175	+7
STUD 31-02 STATES 2-43,82																			
591253	ORACONIS ETTA-S	10-14-60	578303	2039775	5-67	0	12	1.17	1	12.0	8,472	4.99	423	23	9,174	472	19%	-120	-9
STATES 1-91																			
591277	BEAUTY-S	05-21-60	553149	2112324	5-67	21	42	1.26	28	2.0	6,995	5.26	368	19	8,274	419	67%	-859	-38
STUD 61-01 STATES 4-31,33,61,63																			
591297	FAVORITE SECRET	07-31-60	563813	2117179	5-67	11	112	1.29	51	3.5	9,591	5.19	498	18	9,083	465	82%	+470	+24
STUD 23-09 STATES 5-21,23,31,52,56																			

REGISTRATION					DAUGHTERS		NO	EFF	DAUGHTER			ADJUSTED		REPEATABILITY		PROD	
NUMBER	NAME	OF	BULL	INC	NO	REC / OAU	OF HEROS	OAU / HERO	MILK	AVERAGES %	FAT	HEROMATE NO	AVERAGES MILK	AVERAGES FAT	OF SIRE SUMMARY	DIFF MILK	FAT
591369 07-12-60 STUD 65-02	BRAMPTON 520485 STATES	RCYALIST 2149545 1-65	FAVOR.....*	7	36	1.25	18	2.9	7,934	4.93	391	31	7,789	379	60%	+50	0
591370 07-13-60 STUD 31-02	BRAMPTON 520485 STATES	RCYALIST 2175807 5-31,56,64,65,71	RECORDS.....*	13	46	1.11	17	4.6	8,067	4.83	390	25	8,033	396	61%	-1	-9
591559 12-15-59	8ASILEUS 567584 STATES	PINN 2069877 1-41	DESIGN TOPPER.....*	27	14	1.14	1	14.0	7,833	5.25	411	11	7,039	374	20%	+132	+5
591575 12-26-60 STUD 31-02	MARLU 563805 STATES	MILESTONE 2107856 6-31,32,56,63,64	VALIANT.....*	22	45	1.02	25	2.2	8,172	5.34	436	22	8,656	438	66%	-302	-4
591619 12-03-59 STUD 33-03	ROSE-S 580702 STATES	RING MAN.....	.....*		76	1.03	2	74.0	8,530	5.18	442	92	7,834	409	25%	+157	+8
591814	.....*	.....	.....	0	11	1.09	2	9.1	9,729	4.88	475	63	10,430	511	21%	-101	-6
	STATES	1-91	0-00														
591976	.....*	.....	.....	20	10	1.00	1	10.0	5,150	5.03	259	33	5,233	265	18%	-86	-4
	STATES	1-63	0-00														
592054 07-19-60 STUD 35-75	STAR 557868 STATES	CHAMPION.....*	.....*	8	12	1.58	1	12.0	11,904	4.91	584	74	11,489	593	21%	+155	0
592073 02-15-60 STUD 21-10	NORMSLAND 502323 STATES	BELLE BOY.....*	.....*	5	46	1.54	29	2.0	10,143	5.30	538	16	9,392	480	70%	+595	+39
592117 01-10-61	MILESTONE 580372 STATES	ASTOR WONDER.....*	.....*	29	17	1.12	1	17.0	8,462	4.93	417	137	8,846	429	21%	-70	-3
592125 10-05-60	DESIGNER-S 554292 STATES	ADVANCER.....*	.....*	0	17	1.06	1	17.0	8,748	4.94	432	21	8,439	419	21%	+64	+1
592184 10-14-60 STUD 91-11	GIL-BAR 558413 STATES	CAROM RECORDS.....*	.....*	25	8	1.13	3	4.7	7,757	4.95	384	18	7,822	394	21%	-25	-3
592286 11-08-59	WELCOME 572384 STATES	MARSHALL CHIEF.....*	.....*	0	16	1.19	2	8.5	10,575	5.27	557	11	10,244	522	29%	+148	+11
592468 11-14-60	DOUBLE 565141 STATES	ETTA STAR.....*	.....*	7	14	1.07	1	14.0	10,035	4.94	496	60	10,264	505	20%	-8	-1
592487 08-09-60	WILMINGTON 534585 STATES	WONDER.....*	.....*	17	18	1.17	2	16.1	7,635	5.32	406	21	8,635	440	23%	-221	-8
592563 10-30-60	RINCONADA 578810 STATES	TRI-SULTAN IVORY....*	.....*	19	23	1.17	1	23.0	9,344	4.89	457	150	8,802	425	22%	+130	+5
592580 07-17-60 STUD 91-11	STARVIEW 552974 STATES	COMMANDO PATTERN.....*	.....*		5	1.00	1	5.0	9,430	5.40	509	19	9,898	522	14%	-42	0
592732	.....*	.....	.....	11	9	1.00	1	9.0	12,238	5.23	640	40	11,292	574	17%	+211	+13
	STATES	1-93	0-00														
592870 05-14-60	LYNN-S 583022 STATES	CROWNED DREAMER.....*	.....*	10	10	1.20	2	8.2	8,043	5.27	424	8	9,146	481	21%	-210	-11
592920 06-04-60 STUD 35-02	CORALADS 575068 STATES	SUPREME.....*	.....*	7	15	1.53	2	8.3	11,364	5.11	581	24	11,948	622	30%	-67	-7
592997 03-11-61	RAOAR 571555 STATES	BROWN-S 2012509 1-31	DESIGNER.....*	0	14	1.21	1	14.0	9,630	5.22	503	10	8,769	425	20%	+183	+14
593061 03-10-61 STUD 21-10	BRIGHAM 497574 STATES	TORONO 2056464 2-13,21	SUPERB.....*	4	26	1.04	21	1.4	9,419	4.94	465	18	9,641	485	55%	-54	-11
593292 01-13-61 STUD 21-10	R O F 490529 STATES	DEMPSTER 2189897 2-13,21	TORONO MARVEL...*	0	29	1.21	21	1.8	9,196	5.09	468	22	9,098	467	58%	+97	0
593430	.....*	.....	.....	11	9	1.11	1	9.0	8,652	4.98	431	10	8,655	439	18%	+4	-1
	STATES	1-31	0-00														
593507 01-24-61 STUD 23-11	OBSEVER 553236 STATES	SANDY 1975152 1-23	VALIANT.....*	9	11	1.00	7	2.0	9,567	5.18	496	14	8,551	450	32%	+334	+10
593537 12-13-60 STUD 31-02	ETTA 565141 STATES	STAR DOUBLE.....*	.....*	8	61	1.05	32	2.9	8,294	5.15	427	23	8,691	443	71%	-260	-14
593639 11-12-60	MARLU 584285 STATES	ANSOM 2299123 1-56	CITATION.....*		5	1.40	2	2.6	7,013	5.08	356	32	7,737	389	19%	-146	-7
593691	.....*	.....	.....	6	17	1.00	2	15.1	7,906	5.14	406	19	8,124	432	22%	-52	-6
	STATES	1-34	0-00														
593778	.....*	.....	.....	14	7	1.14	1	7.0	8,300	4.99	414	19	8,656	419	16%	-53	-1
	STATES	1-31	0-00														



REGISTRATION				INC %	DAUGHTERS		NO GF HEROS	EFF OAU / HERO	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PREO OIFF FAT
NUMBER	NAME	OF BULL			NO	REC / OAU			MILK	%	FAT	HEROMATE NO	AVERAGES MILK	AVERAGES FAT	OF SIRE SUMMARY	
593815	WASHINGTON TIGER.....*	8	26	1.19	24	1.1	9,677	4.70	455	17	9,530	485	58%	+149	-17	
12-14-60	546354	1609141	5-67													
STUO 21-10	STATES	2-13,21														
593820	FAVORITE PHILOSOPHER.....*	0	6	1.00	2	3.3	10,260	4.94	507	73	9,422	464	18%	+172	+7	
06-01-61	563813	2068714	5-67													
	STATES	1-63														
593833	STYLISH MAN LIBERATOR.....*	0	8	1.13	5	2.5	8,733	4.90	428	18	9,081	455	25%	-70	-7	
12-31-60	582510	2093213	5-67													
STUO 21-10	STATES	1-11														
593882	BEACON BAS ARCHITECT.....*	9	22	1.45	1	22.0	8,949	5.31	475	76	9,247	485	24%	-50	-2	
07-12-60	559928	1872564	5-67													
STUO 35-05	STATES	1-74														
593883	S.S. QUICKSILVER OF VAL NEVA..	0	8	1.13	2	6.2	12,351	5.27	651	21	11,297	577	19%	+256	+16	
08-26-60	553236	2166445	5-67													
STUO 93-1C	STATES	1-88														
593974	JESTER ETTA STAR.....*	11	18	1.06	3	14.3	9,877	5.22	516	11	9,824	510	24%	+46	+2	
07-13-61	565141	1634414	5-67													
	STATES	3-31,35,48														
594245	MOHAWK ETTA STAR.....*	5	21	1.24	2	11.0	10,222	5.02	513	28	10,152	512	31%	+77	+1	
09-30-60	565141	2302469	5-67													
	STATES	2-82,92														
594374	WORLOS RECORDS TRIPLE.....*	0	12	1.33	1	12.0	8,948	4.91	439	11	8,446	451	20%	+102	-2	
08-05-61	556096	1954643	5-67													
	STATES	1-33														
594407	ANSOM VALOR.....*	0	14	1.07	6	5.1	11,026	5.31	585	24	10,659	573	31%	+182	+6	
10-30-58	010008847	010060687	5-67													
STUO 33-03	STATES	5-12,22,51,52,56														
594455	JESTER BEACON LAO.....*	10	21	1.05	10	3.3	8,764	5.33	467	22	8,687	443	44%	+46	+8	
03-09-61	531342	1799259	5-67													
STUO 23-11	STATES	1-23														
594547	JOCELYN-S SPOTTEO CHIEF.....*	14	9	1.22	1	9.0	8,440	5.92	500	27	9,426	534	18%	-159	-5	
03-24-59	574229	2097894	5-67													
	STATES	1-91														
594558	COMBINATION JESTER-S ADVANCER.*	21	34	1.00	18	2.5	8,554	5.12	438	13	9,281	477	58%	-371	-23	
04-11-61	573454	2027467	5-67													
STUO 23-05	STATES	2-23,54														
594676	THE TRADEMARK-S SUCCESSOR.....*	31	13	1.00												

REGISTRATION					DAUGHTERS		NO	EFF	DAUGHTER			ADJUSTED		REPEATABILITY		PREO	
NUMBER	NAME	OF	BULL	INC	NO	REC /	OF	OAU /	MILK	AVERAGES	FAT	HEROMATE	AVERAGES	OF	SIRE	DIFF	FAT
595810	MILAOY STAR PRINCE.....			0	14	1.00	9	1.8	7,414	4.87	361	10	7,895	385	39%	-204	-13
02-11-61	571911	2034442	5-67														
STUD 63-01	STATES	1-63															
595954	CAROM CASTOR INVENTOR.....			20	5	1.00	2	3.4	9,650	5.10	492	27	10,100	507	16%	-43	-1
12-16-61	585327	2087775	0-00														
STUD 21-10	STATES	1-11															
595999	MASTERMAN STANOARD AMBASSADOR.			8	20	1.05	7	6.9	8,741	5.27	461	87	9,029	460	35%	-79	0
02-09-60	575184	1763098	5-67														
STUD 21-10	STATES	3-21,58,74															
596110	MARLU MILAOY STYLEMASTER.....			8	26	1.00	12	3.3	9,084	4.91	446		9,228	481	49%	-30	-17
10-01-61	589156	2092100	5-67														
STUD 23-11	STATES	1-23															
596208	.....			0	7	1.00	1	7.0	10,231	5.33	545	24	10,504	577	16%	-9	-3
			0-00														
	STATES	1-93															
596251	.....			0	9	1.00	2	7.2	9,012	5.95	536	26	10,230	569	19%	-196	-4
			0-00														
	STATES	1-23															
596335	MARILYN-S SON SUPREME.....			6	33	1.00	20	2.9	8,304	5.43	451	19	8,874	451	56%	-294	-2
07-16-61	576342	2249547	5-67														
STUD 31-02	STATES	6-31,32,54,56,64															
596406	MARLU MILAOY-S PEERLESS.....			11	54	1.00	33	2.5	8,494	4.92	418	17	9,075	471	69%	-353	-37
02-27-61	589136	1726368	5-67														
STUD 33-03	STATES	17-13,32,33,41,42															
596407	MARLU MILESTONE MARK.....			4	26	1.00	7	7.0	8,497	4.80	408	52	8,425	404	41%	+30	-1
10-19-61	563805	1914092	5-67														
STUD 72-C1	STATES	2-31,72															
596474	.....			0	6	1.00	1	6.0	8,625	4.83	417	13	8,140	425	15%	+67	-1
			0-00														
	STATES	1-82															
596539	SABLE-S CHAMPION COMMANDOO.....			25	8	1.00	7	1.2	8,198	5.76	472	20	10,395	530	28%	-557	-14
10-01-61	556063	2265511	0-00														
STUD 21-10	STATES	2-13,21															
596588	.....			10	10	1.20	3	5.4	9,895	5.21	516	24	9,468	505	24%	+130	+3
			0-00														
	STATES	2-31,55															
596615	HUTCHINSON FARM WIN.....			0	6	1.00	5	1.3	8,220	5.30	436	13	8,945	473	22%	-149	-8
12-01-61	570723	1989133	0-00														
STUD 21-10	STATES	3-13,14,55															
596766	.....			0	13	1.00	2	9.6	10,048	5.25	528	13	9,421	489	22%	+162	+8
			0-00														
	STATES	2-32,41															
596887	.....			0	5	1.00	1	5.0	8,652	4.99	432	22	9,322	470	14%	-78	-5
			0-00														
	STATES	1-31															
597286	MASTERMAN GOLOEN LESSON.....			0	31	1.00	2	18.2	8,338	5.05	421	89	8,745	440	31%	-113	-7
02-10-61	556418	2317465	5-67														
	STATES	1-74															
597353	.....			20	5	1.00	2	3.4	8,048	5.08	409	28	9,082	480	16%	-150	-10
			0-00														
	STATES	2-31,32															
5975C9	RUBY-S SABLE VICTORY.....			5	21	1.24	1	21.0	10,054	4.80	483	58	9,557	484	22%	+136	0
11-01-60	585348	2261161	5-67														
	STATES	1-21															
597782	.....			0	8	1.00	1	8.0	8,124	5.55	451	12	8,920	470	16%	-121	-3
			0-00														
	STATES	1-91															
598029	JESTERMAID J. ADVANCER.....			0	6	1.17	2	3.0	8,214	4.98	409	13	8,092	416	20%	+18	-2
02-16-61	576049	2009738	5-67														
STUD 65-02	STATES	1-47															
598427	ROYAL FLORIST RAQAR ROYAL.....			0	13	1.00	1	13.0	9,105	5.09	463	30	10,118	527	19%	-159	-11
12-03-60	518988	2361781	5-67														
	STATES	1-91															
600869	.....			0	6	1.00	1	6.0	9,480	5.57	528	8	9,207	499	15%	+52	+4
			0-00														
	STATES	1-13															
600903	.....			0	9	1.00	1	9.0	8,611	4.95	426	20	8,423	434	17%	+32	-1
			0-00														
	STATES	1-56															
41WCG4082	.....			17	18	1.33	1	18.0	7,215	5.47	395	10	7,686	388	22%	-120	0
			5-67														
	STATES	1-41															

REGISTRATION					DAUGHTERS		NO OF EFF		DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED	
NUMBER	NAME	DF	BULL	INC %	NO	REC / DAU	OF HERDS	DAU / HERD	MILK	%	FAT	HERDM NO	MATE MILK	AVERAGES FAT	OF SIRE SUMMARY	DIFF MILK	FAT
99252 09-22-49 STUD 31-01	LEE-S HILL KAYAK M.....*	12	1,091	2.31	284	8.7	11,569	4.10	74	10	11,982	486	97%	-372	-10		
102954 09-06-50 STUD 33-01	AVDN VIEW LDORRAINE-S COLONEL..*	2	185	2.52	84	3.6	12,567	4.08	513	8	11,734	482	90%	+753	+28		
106794 07-29-50 STUD 31-01	COLONEL-S DEFENDER GF J-A-M....*	5	163	2.81	93	3.5	11,606	4.14	481	9	11,805	481	89%	-166	0		
107506 10-06-50 STUD 34-01	HYCREST BUTLER.....*	11	89	2.28	45	5.1	11,448	4.06	465	12	11,493	470	78%	-49	-3		
111550 06-19-51 STUD 14-04	LEE-S HILL CUSTODIAN M.....*	11	51	2.53	14	14.0	12,073	4.14	500	10	12,883	536	53%	-366	-15		
114123 09-08-52 STUD 33-01	NDRVIC MASTER INFIELDER.....*	7	896	2.05	287	8.4	12,095	4.09	495	10	12,167	494	96%	-22	+3		
117219 11-15-53 STUD 41-25	BONANZA SENATOR.....*	4	35	2.23	16	4.0	13,311	4.00	533	9	12,027	498	61%	+808	+23		
120699 09-05-54 STUD 35-05	NDRVIC MASTER MODELER.....*	17	38	2.63	9	21.0	11,010	4.14	456	7	12,158	488	38%	-420	-11		
121816 04-04-54 STUD 31-01	WELCOME IN CHARMER.....*	5	213	2.12	99	3.7	13,041	4.10	535	14	12,719	518	91%	+386	+19		
122242 10-03-54 STUD 93-05	MISCHKE-S ADVANCER.....*	0	24	1.67	10	3.2	13,451	3.95	531	6	12,256	499	52%	+651	+18		
122962 08-01-54 STUD 91-11	FORTUNE-S FOREMDST OF TWIN DAK..*	6	36	2.36	15	5.1	11,092	4.14	459	12	11,373	459	59%	-183	0		
124652 02-11-55 STUD 33-03	WELCOME IN SUPREME.....*	12	471	1.18	224	3.5	12,541	4.03	506	12	12,478	505	95%	+135	+4		
124788 07-11-55 STUD 91-11	SUNSET VIEW PRINCE RAINIER....*	7	75	2.99	32	5.4	12,740	3.96	504	12	12,505	502	76%	+242	+3		
125283 03-04-56 STUD 34-01	HARRIET-S ROYAL APDLLO.....*	27	24	2.58	7	11.1	11,881	4.27	507	7	12,863	539	39%	-335	-9		
125640 02-04-56 STUD 21-10	WAVENEY-S LADDIE G.....*	10	52	2.29	30	2.5	13,688	4.22	577	10	12,236	501	74%	+1112	+58		
127853 09-10-56 STUD 48-01	NDRVIC MASTER INMAN.....*	12	76	1.63	21	7.2	10,503	3.97	417	9	10,994	437	70%	-392	-16		
127854 03-03-56 STUD 35-02	NDRVIC MASTER ELLISON.....*	3	36	1.94	8	22.0	12,344	4.24	523	16	14,237	569	36%	-581	-12		
128335 08-26-56 STUD 41-25	MEADOW VIEW MASTER.....*	10	36	2.44	10	9.6	13,076	4.00	523	10	12,593	497	52%	+296	+14		
128369 08-29-56 STUD 41-25	NDRVIC MASTER MDLDER.....*	13	18	1.83	8	3.4	10,682	4.13	441	9	11,944	483	45%	-559	-18		
130709 09-27-57 STUD 91-11	HYCREST RDYAL JESTER.....*	0	22	1.55	15	1.7	14,505	3.93	570	11	13,179	538	54%	+792	+20		
131096 03-31-57 STUD 31-02	LEE-S HILL REGAL M.....*	13	30	1.30	17	3.9	13,627	4.39	598	13	13,966	588	53%	-58	+11		
131138 03-24-57 STUD 41-25	MEADOW VIEW LANCELOT C.....*	4	55	1.51	23	5.5	12,959	3.92	508	14	12,781	510	65%	+187	+1		
131528 11-22-57 STUD 33-03	NDRVIC LARRY-S LILASON.....*	3	41	2.12	13	15.0	13,504	4.15	561	17	13,267	546	46%	+183	+10		
132525 10-25-57 STUD 41-25	NU FASHIDN-S CLIPPER.....*	21	41	1.61	8	11.8	10,097	4.28	432	12	11,491	480	48%	-680	-22		
133226 09-23-58 STUD 35-03	V. 8. SDOUVENIR PAVANNE.....*	11	23	1.52	18	1.4	13,192	3.66	483	11	11,936	481	55%	+708	+1		
133691 04-24-58 STUD 23-11	ACTIVE ACRES SUE-S TAMARIND....*	9	28	1.43	14	4.4	12,060	4.07	491	11	12,170	504	51%	-31	-4		
133783 07-08-58 STUD 41-01	DSTVAL-S NA808-S EL DORADO....*	29	60	1.32	29	4.9	10,550	4.06	428	8	11,122	449	68%	-424	-15		
133813 00-00	STATES 1-35	0	6	1.00	1	6.0	9,730	3.56	346	7	8,685	314	15%	+109	+2		
134071 08-27-58 STUD 35-75	WELCOME IN CDUNT.....*	0	35	2.11	2	19.2	13,723	3.93	540	7	12,533	507	38%	+487	+14		



REGISTRATION					DAUGHTERS		NO	EFF	DAUGHTER			ADJUSTED		REPEATABILITY		PROG	
NUMBER	NAME	OF	BULL	INC %	NO	REC / DAU	OF HERDS	DAU / HERO	MILK	AVERAGES %	FAT	HERMATE NO	AVERAGES MILK	FAT	OF SIRE SUMMARY	DIFF MILK	FAT
1349C1 02-28-59 STUD 23-09	NEEOMOR SUPREME T.....*	76059	257534 5-67	22	82	1.40	34	4.4	12,222	4.43	542	11	12,772	531	75%	-332	+12
135021 07-16-59 STUD 51-02	NEEDMDR SOVEREIGN T.....*	76059	270495 5-67	12	19	1.26	14	1.7	11,706	4.20	492	13	12,315	491	48%	-263	+1
135057 .....	.....*	0-00		0	8	1.00	1	8.0	15,029	3.94	592	19	13,006	528	16%	+353	+11
	STATES	1-31															
135055 01-29-59 STUD 33-C3	WELCOME IN MAGIC.....*	76059	212767 5-67	11	372	1.33	183	3.6	11,740	4.13	485	13	12,175	490	54%	-361	-2
135057 C2-14-55 STUD 63-02	WELCOME IN COMET.....*	124652	279223 5-67	0	12	1.33	9	1.6	11,421	4.08	466	6	12,372	500	38%	-334	-11
135058 07-01-59 STUD 31-02	WELCOME IN SUPERIOR.....*	124652	339277 5-67	12	79	1.08	35	4.6	11,731	4.07	477	12	12,438	508	73%	-457	-19
135059 03-27-59 STUD 93-05	WELCOME IN CHATHAM.....*	124652	342752 5-67	4	71	1.68	3	56.6	14,146	3.85	544	73	12,652	507	32%	+491	+13
135101 05-14-59 STUD 63-02	WELCOME IN RIVAL.....*	124652	357367 5-67	0	11	1.00	7	1.9	9,555	3.91	374	11	10,694	412	33%	-403	-14
135159 .....	.....*	0-00		13	11	1.09	1	11.0	10,207	3.70	378	21	9,420	363	19%	+104	+1
	STATES	1-43															
135324 08-05-58	PDRY-HAVEN PILDY T.....*	76059	266010 5-67	0	10	1.40	1	10.0	13,330	4.16	554	6	11,299	465	20%	+390	+17
	STATES	1-41															
135487 02-10-59 STUD 41-25	NORVIC PRINCE 8EAU.....*	124788	308565 5-67	0	14	1.43	7	3.5	15,218	3.78	576	16	13,766	545	37%	+607	+14
135681 .....	.....*	5-67		20	5	1.80	4	1.4	13,707	3.82	523	7	11,172	449	22%	+546	+16
STUD 87-01	STATES	4-23,51,82,91															
136140 V. 8. 02-22-59 STUD 33-03	ROYAL FLUSH PAVANNE.....*	119848	250654 5-67	13	47	1.47	36	1.5	13,920	3.66	509	12	12,453	501	72%	+1104	+7
136430 08-29-59 STUD 35-75	NORVIC LOAMASTER.....*	127654	175028 5-67	5	23	1.22	14	3.0	11,580	4.16	482	14	12,188	503	49%	-270	-8
136767 10-04-59 STUD 21-10	FOXTRACT-S NAN FDCRSTER.....*	78152	297C58 5-67	17	43	1.44	29	2.3	13,155	4.05	533	13	12,891	526	67%	+257	+8
136792 01-01-60 STUD 21-10	CARDLEGE I. GOLOMAN.....*	114123	257736 5-67	8	12	1.08	5	3.8	12,609	4.02	507	21	12,946	529	30%	-63	-4
136963 11-12-59 STUD 21-1C	SUNSET VIEW LEANDER.....*	114123	251324 5-67	6	39	1.46	24	2.1	13,572	4.09	555	13	13,276	540	66%	+300	+14
137095 07-01-59 STUD 35-05	LEE-S HILL REGAL SOVEREIGN....*	131096	346972 5-67	0	13	1.54	3	6.2	13,484	4.43	598	18	13,479	575	30%	+56	+10
137238 12-12-59 STUD 23-09	FRA-MAR-S 8IG HANK 8.....*	70410	306567 5-67	17	18	1.22	11	3.4	13,229	3.99	528	10	12,716	529	42%	+256	+2
137308 .....	.....*	5-67		21	14	1.00	12	1.2	11,193	4.03	451	15	12,297	500	40%	-420	-18
STUD 35-02	STATES	6-21,31,33,35,41															
137395 02-C6-60 STUD 91-11	WELCOME IN JUDGE.....*	121816	342766 5-67	4	27	1.59	2	25.0	14,762	4.02	594	8	12,157	492	26%	+687	+27
137486 03-22-60	MEADOW VIEW OESTY JULE.....*	118619	324112 5-67	14	24	1.21	2	22.0	13,638	3.95	539	12	12,408	474	24%	+310	+15
	STATES	1-42															
137736 01-C6-60 STUD 33-01	LEE-S HILL REGAL REPLICA.....*	131096	188709 5-67	3	197	1.42	90	3.4	11,239	4.20	472	11	11,983	489	89%	-636	-13
138407 .....	.....*	0-00		13	16	1.00	3	12.3	13,899	4.43	616	22	14,306	593	23%	-33	+8
	STATES	2-31,57															
138408 07-14-60 STUD 21-10	WELCOME IN VISCOUNT.....*	121816	328187 5-67	15	66	1.11	42	1.9	13,008	4.13	537	13	12,905	523	75%	+169	+14
138452 07-11-60 STUD 33-01	WELCOME IN FIRSTCHOICE.....*	121816	342752 5-67	3	231	1.20	109	3.5	12,718	3.90	496	12	12,434	510	90%	+323	-9
138489 08-20-60 STUD 35-02	WELCOME IN 8INGC.....*	124652	321972 5-67	7	29	1.07	13	3.6	10,085	4.04	407	11	11,398	456	52%	-693	-25
138750 10-14-60 STUD 21-10	NORVIC LILASON-S 8EAUTICIAN...*	131528	3C8965 5-67	7	29	1.03	20	1.8	14,456	3.91	565	14	13,759	560	57%	+513	+8
138957 05-23-60 STUD 21-10	RIOGE MEAOOWS AUTUMN-S TOPPER.*	107915	259627 5-67	6	18	1.22	13	1.6	13,039	4.11	536	9	12,642	510	47%	+231	+14

REGISTRATION					DAUGHTERS		ND	EFF	DAUGHTER			ADJUSTED		REPEATABILITY		PRED	
NUMBER	NAME	DF	BULL	INC	NO	REC / OAU	DF HERDS	DAU / HERO	MILK	AVERAGES %	FAT	HERDMATE ND	MATE MILK	AVERAGES FAT	DF SIRE SUMMARY	DIFF MILK	FAT
139D36	LEE-S HILL NOBLEMAN S.....*	14			9	1.11	4	2.5	16,389	4.44	728	12	15,847	690	28%	+264	+16
11-16-6D	107915	174924	5-67														
STUD 33-03	STATES	1-22															
139D68	V.8. RAVEN PROFILE.....*	6			16	1.00	12	1.5	12,418	4.05	503	11	12,626	525	43%	-48	-6
11-06-6D	112216	217677	5-67														
STUD 33-01	STATES	2-31,33															
139126	WELCME IN BANNER.....*	2D			11	1.09	7	1.9	9,446	4.05	383	10	11,555	464	33%	-706	-26
11-11-6D	121816	210247	5-67														
STUD 35-02	STATES	2-35,46															
139273	ROLLING MEADWW-S ALARIC.....*	D			9	1.11	1	9.0	18,197	4.20	764	11	13,898	622	18%	+796	+28
07-31-6D	127208	167170	5-67														
	STATES	1-31															
139536	NORVIC LILASON-S LOMAR.....*	D			10	1.10	2	8.2	14,982	4.19	628	20	13,477	578	20%	+337	+12
02-04-61	131528	344691	5-67														
STUD 35-05	STATES	1-42															
139591	LEE-S HILL SDCRATES S.....*	24			27	1.04	14	2.7	13,070	4.09	534	12	12,617	529	52%	+285	+5
11-08-60	107915	267816	5-67														
STUD 51-02	STATES	6-31,35,43,51,52															
139597	.....*	D			6	1.33	2	4.3	12,177	4.13	503	13	11,853	474	18%	+62	+5
	5-67																
STUD 91-11	STATES	1-35															
139665	BRIGHT-S ELAIM SUPREME.....*	29			11	1.09	2	9.1	11,054	4.25	470	10	11,415	477	21%	-79	0
09-11-6D	110327	290347	5-67														
	STATES	1-42															
139783	TUGLUMNE ERIK.....*	0			18	1.00	1	18.0	15,613	3.98	621	33	13,731	582	20%	+426	+10
03-14-61	134206	355013	5-67														
	STATES	1-93															
139791	WELCME IN CHARTER.....*	13			8	1.00	7	1.2	11,353	4.10	466	15	11,345	453	28%	-6	+3
02-19-61	135095	326761	5-67														
STUD 34-01	STATES	5-31,34,43,58,63															
139793	.....*	D			10	1.00	2	8.2	11,739	4.03	473	18	11,377	448	20%	+65	+4
	D-DD																
	STATES	2-32,61															
139858	GOLDEN BELL-S CASA.....*	D			12	1.25	1	12.0	10,421	4.43	462	6	12,248	510	20%	-350	-8
02-07-6D	122843	331558	5-67														
	STATES	1-46															
140271	MOREAU VIEW HARRY 8. 8.....*	33			6	1.50	1	6.0	10,688	3.86	413	32	12,105	496	17%	-229	-13
04-07-6D	101409	222404	5-67														
	STATES	1-43															
141344	.....*	14			7	1.00	2	5.2	11,584	4.15	481	11	12,071	521	18%	-79	-5
	D-DD																
	STATES	1-51															
141750	.....*	D			5	1.00	3	2.2	11,728	3.91	459	11	14,662	606	18%	-460	-22
	D-00																
STUD 35-03	STATES	3-35,42,93															
142966	.....*	D			8	1.00	1	8.0	12,085	3.95	477	38	11,405	463	16%	+107	+2
	D-DD																
	STATES	1-42															

REGISTRATION					INC %	DAUGHTERS		NO OF HERDS	EFF DAU / HERD	DAUGHTER AVERAGES			ADJUSTED		REPEATABILITY		PRED	
NUMBER	NAME	DF	SULL	NO		REC / DAU	MILK			%	FAT	HERDMATE ND	MILK	AVERAGES FAT	DF SUMMARY	SIRE	DIFF MILK	FAT
120361 03-20-47	WILD EYES SEARCHLIGHT.....*	2338563	1892991	5-67	0	19	2.63	5	10.6	7,389	3.90	288	5	7,995	301	35%	-254	-5
174687 09-17-53	GRASSY LANE GLOBAR.....*	112761	22064	5-67	0	10	2.30	6	2.2	10,841	3.55	385	8	9,105	329	35%	+606	+19
STUD 91-11	STATES	2-42,73																
176159 11-06-53	BARRINGTON FIRELIGHT.....*	2165380	18013	5-67	0	18	3.83	1	18.0	8,714	3.39	295	6	8,472	297	28%	+46	-1
STUD 34-01	STATES	1-34																
181531 11-10-53	LILYDALE CHAMPIDN DUKE 3D.....*	80394	11648	5-67	6	18	1.50	9	3.7	10,277	3.83	394	6	9,245	347	43%	+441	+20
STUD 33-03	STATES	8-12,23,31,32,41																
190014 05-29-54	DDAN-S RDYAL KNIGHT.....*	22359	2353343	5-67	11	21	2.29	7	7.5	9,671	3.71	359	6	9,998	362	41%	-101	0
STUD 34-01	STATES	3-32,34,35																
203661 02-05-55	WILLO LANE DAIRYMAN.....*	133185	2247564	5-67	6	54	2.26	18	15.5	10,294	3.58	369	6	9,677	360	52%	+345	+5
STUD 35-75	STATES	7-13,23,32,41,42																
220968 00-00	.....*				20	5	1.00	1	5.0	10,628	3.33	354	16	10,880	364	14%	-10	0
	STATES	1-73																
225620 12-04-55	SALONA SEARCHLIGHT 6TH.....*	12038	43302	5-67	20	5	2.00	3	1.8	7,864	3.80	299	6	8,715	339	21%	-192	-6
STUD 33-02	STATES	3-23,31,33																
237987 12-04-56	LILYDALE MARTAS CHESS 7TH.....*	195223	199270	5-67	8	30	2.67	8	13.9	11,294	3.47	392	11	11,008	389	41%	+152	+3
STUD 31-02	STATES	5-31,32,43,71,73																
240230 04-15-57	DARLINGTON SUNBEAM KING.....*	190014	150491	5-67	22	11	1.73	6	2.4	9,762	3.77	368	12	10,071	377	36%	-78	-1
STUD 34-01	STATES	3-32,34,42																
240895 02-16-57	TDPS 8 INNISFAIL HARDY 20TH....*	189693	1515	5-67	0	5	1.20	3	1.8	9,794	3.59	352	8	8,829	314	19%	+178	+7
STUD 34-01	STATES	3-31,32,34																
247628 07-14-57	THREE SPRINGS ARTHUR.....*	208220	11354	5-67	6	27	2.22	2	25.0	9,917	3.66	363	14	10,539	393	28%	-134	-6
STUD 33-02	STATES	2-23,32																
253683 10-25-56	ROBIN-S CINDY LDCHINVAR.....*	132852	183573	5-67	13	34	1.85	4	19.8	10,162	3.69	375	11	9,608	353	35%	+209	+8
STUD 35-05	STATES	2-42,63																
260794 12-23-58	SPRING BROOK RDBIN HCOO.....*	101321	118845	5-67	0	11	1.91	2	9.1	12,147	3.81	463	12	11,250	424	24%	+263	+11
STUD 33-03	STATES	2-32,33																
262989 05-01-58	JDSEPH.....*	165249	64685	5-67	23	16	1.50	5	5.7	8,905	3.64	324	7	8,993	333	35%	-37	-3
	STATES	4-35,41,42,47																
271253 08-01-59	TWILDO ODOUBLE RDBIN HDDD.....*	38714	25780	5-67	0	10	2.10	1	10.0	9,229	3.73	344	13	8,447	317	22%	+155	+5
STUD 33-03	STATES	1-31																
275759 00-00	.....*				14	8	1.00	2	6.2	7,320	3.35	245	12	9,103	318	18%	-329	-13
	STATES	2-35,41																
278101 00-00	.....*				25	8	1.25	1	8.0	9,912	3.30	327	25	9,058	322	18%	+147	0
STUD 91-11	STATES	1-35																
278958 02-01-60	GERNER FARMS LADDY.....*	220263	248182	5-67	9	11	1.18	3	7.5	7,758	3.80	295	10	8,702	320	23%	-227	-5
STUD 35-04	STATES	2-35,41																
283433 00-00	.....*				0	10	1.20	3	4.2	10,360	3.44	356	5	9,832	351	27%	+157	+1
	STATES	1-41																
288548 12-10-60	FDXDALE PEERLESS REDCDAT.....*	258702	37819	5-67	22	9	1.11	2	5.0	9,843	3.30	325	8	10,278	336	23%	-73	-2
	STATES	1-73																
289286 00-00	.....*				10	11	1.09	3	5.3	9,565	3.64	348	9	9,335	336	26%	+62	+3
	STATES	1-41																
290074 00-00	.....*				17	6	1.00	1	6.0	10,443	3.45	360	8	9,533	330	15%	+139	+4
	STATES	1-42																
296209 00-00	.....*				0	6	1.00	1	6.0	10,237	3.39	347	16	10,407	341	15%	-6	+1
	STATES	1-71																



[illegible]

TABLE 1.--Grouping of States used in regional breed-year-season averages <sup>1/</sup>

REGION NUMBER	STATES
<u>GUERNSEY AND JERSEY</u>	
1	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, and Pennsylvania
2	Indiana, Illinois, Ohio, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas
3	Delaware, Maryland, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, Oklahoma, and Texas
4	Idaho, Wyoming, Montana, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii
<u>HOLSTEIN</u>	
1	Maine, New Hampshire, Vermont, Massachusetts, and Rhode Island
2	Connecticut and New York
3	New Jersey and Pennsylvania
4	Indiana and Illinois
5	Ohio and Michigan
6	Wisconsin
7	Minnesota
8	Iowa and Missouri
9	North Dakota, South Dakota, Nebraska, Kansas, Oklahoma, and Texas
10	Delaware, Maryland, and Virginia
11	Kentucky, Tennessee, North Carolina, and West Virginia
12	South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, and Arkansas
13	Idaho, Wyoming, Montana, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, Alaska, and Hawaii
14	California
<u>AYRSHIRE AND BROWN SWISS</u>	
1	Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New York, New Jersey, Pennsylvania, Idaho, Wyoming, Montana, Colorado, New Mexico, Arizona, Utah, Nevada, Washington, Oregon, California, Alaska, and Hawaii
2	Indiana, Illinois, Ohio, Michigan, Wisconsin, Minnesota, Iowa, Missouri, North Dakota, South Dakota, Nebraska, and Kansas
3	Delaware, Maryland, Virginia, West Virginia, Kentucky, Tennessee, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Arkansas, Oklahoma, and Texas

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<sup>1/</sup> Nationwide averages were used for the Milking Shorthorn, Red Dane, and Red Poll breeds because of the limited number of observations available.

TABLE 2.--Location, code numbers, and name of artificial breeding organizations in the United States

LOCATION			AI ORGANIZATION		LOCATION			AI ORGANIZATION	
STATE	STATE CODE	AI STUD CODE	NAME AND ADDRESS		STATE	STATE CODE	AI STUD CODE	NAME AND ADDRESS	
MAINE	11	01	Maine Breeding Cooperative, Inc.		VIRGINIA	52	01	*Virginia Animal Breeders Association, Inc., Rt. 4, P.O. Box 391, Rocky Mount 24151	
NEW HAMPSHIRE	12	03	New Hampshire-Vermont Breeding Assn.						
CONNECTICUT	16	04	New England Selective Breeding Association, Inc.		NORTH CAROLINA	55	01	*N.C. Institutional Breeding Association, Dept. Animal Science, N.C. State University, Raleigh 27600	
NEW YORK	21	01	New York ABC, Inc.						
NEW YORK	21	10	*Eastern Artificial Insemination Co-op., Inc., P.O. Box 518, Ithaca 14850		SOUTH CAROLINA	56	02	Chester Co-op. ABA	
NEW JERSEY	22	01	Sussex Co-op. Breeding Association, Inc.		KENTUCKY	61	01	Kentucky Artificial Breeding Association	
NEW JERSEY	22	03	New Jersey Cooperative Breeders Association, Inc.		KENTUCKY	61	02	*Select Sires, Inc., 1224 Alton-Darby Road, Columbus, Ohio 43228	
PENNSYLVANIA	23	01	*Zimmerman Dairy Farm, Rt. 2, Leighton 18235		TENNESSEE	63	01	*East Tennessee ABA, Rt. 10, Tipton Station Road, Knoxville 37920	
PENNSYLVANIA	23	02	First Pennsylvania Artificial Breeding Cooperative		TENNESSEE	63	02	*Tennessee Artificial Breeding Association, Rt. 2, Granny White Pike, Brentwood 37027	
PENNSYLVANIA	23	04	NEPA Artificial Breeding Cooperative		TENNESSEE	63	03	*West Tennessee Artificial Breeding Association, Box 38, Yorkville 38389	
PENNSYLVANIA	23	05	Western Pennsylvania ABC						
PENNSYLVANIA	23	07	Lehigh Valley Co-op. Farmers		MISSISSIPPI	65	02	*Miss. Animal Breeders Co-op., Drawer BA, State College 39762	
PENNSYLVANIA	23	08	Southeastern Pennsylvania ABC						
PENNSYLVANIA	23	09	*Atlantic Breeders Co-op., Rt. 230 By-pass, P.O. Box 254, Lancaster 17604		LOUISIANA	72	01	*Louisiana Animal Breeders Co-op., Inc., Box B.D., LSU, Baton Rouge 70803	
PENNSYLVANIA	23	11	*Northeastern Breeders Association, Inc., R.D. 2, Tunkhannock 18657						
OHIO	31	01	Central Ohio Breeding Association		TEXAS	74	01	Texas A & M Dairy Breeding Center	
OHIO	31	02	*NOBA, Inc., Rt. 4, P.O. Box 607, Tiffin 44883		COLORADO	84	01	Colorado State University ABS	
INDIANA	32	02	John A. Newman & Sons		ARIZONA	86	02	EADS Cattle Breeding Service	
ILLINOIS	33	01	Northern Illinois Breeding Co-op.		UTAH	87	01	*Cache Valley Breeding Association, 1950 North Main, Logan 84321	
ILLINOIS	33	02	Southern Illinois Breeding Association		WASHINGTON	91	01	Evergreen Northwest Breeders, Inc.	
ILLINOIS	33	03	*Curtiss Breeding Service, Inc., Cary 60013		WASHINGTON	91	10	W. De Jongs Supreme Bull Service	
MICHIGAN	34	01	*Michigan Animal Breeders Co-op., Inc., P.O. Box 511, East Lansing 48824		WASHINGTON	91	11	*Carnation Farms Breeding Service Washington Unit, Carnation, Washington 98014	
WISCONSIN	35	01	Associated Breeding Service						
WISCONSIN	35	02	Badger Breeders Cooperative						
WISCONSIN	35	03	*East Central Breeders Association Co-op., 314 Beaver Dam St., P.O. Box 191, Waupun 53963		WASHINGTON	91	13	*All West Breeders, Box 197, Burlington 98233	
WISCONSIN	35	04	Piper Brothers Farms, Inc.						
WISCONSIN	35	05	*Tri-State Breeders Co-op., Westby 54667		OREGON	92	01	Oregon Breeders Association	
WISCONSIN	35	06	Southern Wisconsin Co-op. ABA		CALIFORNIA	93	01	California Dairy Breeders, Inc.	
WISCONSIN	35	21	*Midwest Breeders Co-op., P.O. Box 469, Shawano 54166		CALIFORNIA	93	02	*Adohr Farms Inseminating Service, Rt. 1, P.O. Box 18, Camarillo 93010	
WISCONSIN	35	75	*American Breeders Service, Inc., De Forest 53532		CALIFORNIA	93	03	*Excelsior Breeding Service, 7401 Adams, Rt. 1, Box 128, Corona 91720	
MINNESOTA	41	01	*Minnesota Valley Breeders Association, New Prague 56071		CALIFORNIA	93	05	*Jessup Breeders, 5471 San Fernando Road W., Glendale 91203	
MINNESOTA	41	04	Consolidated Breeders Co-op.		CALIFORNIA	93	10	*Pacific Breeders Co-op., Inc., 1464 Middle Two Rock Road, Petaluma 94952	
MINNESOTA	41	25	Midwest Genes, Inc.		CALIFORNIA	93	15	*Diamond J Breeders, 9315 Dusty Lane, Modesto 95350	
IOWA	42	02	Eastern Iowa Breeders		PUERTO RICO	94	01	*Puerto Rico Artificial Breeding Association, P.O. Box 958, Dorado 00646	
IOWA	42	08	Iowa Breeders Co-op.		HAWAII	95	03	Haleakala Ranch Dairy Farm, Makawao, Maui	
MISSOURI	43	02	M. F. A. ABA		ALASKA	96	01	*Matanuska Valley Breeders Association, Palmer 99645	
NEBRASKA	47	01	Nebraska Dairy Breeders						
KANSAS	48	01	*Kansas ABS Unit, Anderson Hall, Kansas State University, Manhattan 66504						
MARYLAND	51	02	*Maryland-West Virginia Bull Stud, Inc., P.O. Box 555, Frederick 21701						

\*Indicates those AI organizations reported as active.



TABLE 3.--State codes used in DHIA

11	Maine	55	North Carolina
12	New Hampshire	56	South Carolina
13	Vermont	57	Georgia
14	Massachusetts	58	Florida
15	Rhode Island	61	Kentucky
16	Connecticut	63	Tennessee
21	New York	64	Alabama
22	New Jersey	65	Mississippi
23	Pennsylvania	71	Arkansas
31	Ohio	72	Louisiana
32	Indiana	73	Oklahoma
33	Illinois	74	Texas
34	Michigan	81	Montana
35	Wisconsin	82	Idaho
41	Minnesota	83	Wyoming
42	Iowa	84	Colorado
43	Missouri	85	New Mexico
45	North Dakota	86	Arizona
46	South Dakota	87	Utah
47	Nebraska	88	Nevada
48	Kansas	91	Washington
50	Delaware	92	Oregon
51	Maryland	93	California
52	Virginia	94	Puerto Rico
54	West Virginia	95	Hawaii
		96	Alaska









